

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO	ZnO	NiO
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_1_ChI	1	2	0.08	25.632	0	0	0.104	20.875	0.019	0.02	0.064
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_ChI	1	2	0.047	26.05	0	0	0.097	19.617	0.075	0.05	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_ChI	3	2	0.104	26.35	0	0	0.052	20.341	0	0.055	0.067
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_ChI	1	2	0.437	25.8	0	0	0.078	21.024	0.051	0.098	0.022
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_ChI	2	2	0.432	25.586	0	0	0.074	20.986	0.043	0	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_5_ChI	1	2	0.032	26.308	0	0	0.117	20.518	0.04	0.106	0.066
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_7_ChI	1	2	0.066	26.776	0	0	0.087	19.735	0.068	0.072	0.006
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	1	2	0.026	26.834	0	0	0.082	21.037	0.054	0	0.029
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	2	2	0.054	25.22	0	0	0.073	20.624	0	0	0.067
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	4	2	0.058	25.61	0	0	0.096	19.825	0.023	0.091	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	5	2	0.067	25.522	0	0	0.1	20.426	0.074	0.125	0.085
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_chI	2	2	0.02	26.717	0	0	0.041	19.802	0.004	0.024	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_chI	3	2	0.027	26.574	0	0	0.051	19.959	0.007	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_chI	4	2	0.06	25.682	0	0	0.099	19.99	0.043	0.123	0.025
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_chI	5	2	0.019	25.088	0	0	0.127	21.916	0.05	0.006	0.009
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	1	2	0.036	25.639	0	0	0.074	20.781	0.04	0.183	0.069
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	2	2	0.075	25.048	0	0	0.051	20.938	0.04	0.012	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	3	2	0.039	25.312	0	0	0.064	20.702	0.041	0.078	0.002
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	1	2	0.036	24.831	0	0	0.112	20.916	0.037	0	0.029
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	3	2	0.033	25.556	0	0	0.074	19.851	0.047	0.101	0.1
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	4	2	0.072	25.767	0	0	0.092	19.608	0.023	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	1	2	0.001	25.117	0	0	0.087	21.078	0	0.115	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	2	2	0.039	25.039	0	0	0.078	20.915	0.034	0.133	0.045
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	3	2	0.061	27.662	0	0	0.042	18.973	0	0.117	0.04
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	4	2	0.047	25.208	0	0	0.104	21.039	0	0.034	0.014
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	5	2	0.038	25.086	0	0	0.085	20.85	0	0.056	0.029
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	1	2	0.105	26.609	0	0	0.097	19.943	0.079	0.022	0.02
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	2	2	0.111	25.588	0	0	0.087	20.773	0.041	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	3	2	0.058	25.169	0	0	0.091	20.809	0	0.103	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	4	2	0.106	25.755	0	0	0.061	20.725	0.015	0.028	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_1_chI	1	2	0.091	29.371	26.9734	0	0.057	15.468	0	0.085	0.058
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_1_chI	3	2	0.039	26.594	0	0	0.079	20.305	0.026	0.149	0.044
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_2_chI	2	2	0.086	29.434	3.0644	0	0.103	20.341	0.041	0.052	0.023
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_3_chI	1	2	0.059	28.445	0	0	0.105	20.211	0.032	0	0.024
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_3_chI	4	2	0.025	30.354	17.058	0	0.065	19.876	0.029	0.018	0.006
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_4_chI	1	2	0.048	29.951	15.7129	0	0.069	19.975	0.08	0.048	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	1	2	0.014	27.776	0	0	0.086	20.872	0	0.1	0.003
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	2	2	0.04	27.174	0	0	0.077	20.611	0	0.05	0.028
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	3	2	0.032	27.244	0	0	0.066	20.496	0.037	0.072	0.045
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_7_chI	1	2	0.044	27.847	0	0	0.078	20.259	0	0.088	0.103
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_7_chI	2	2	0.041	28.826	0.6181	0	0.07	20.424	0.057	0.036	0.008
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	1	2	0.042	26.282	0	0	0.06	19.843	0	0.217	0.002
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	2	2	0.034	26.531	0	0	0.091	19.744	0.016	0.06	0.002
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	4	2	0.063	25.738	0	0	0.05	20.241	0	0.071	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	5	2	0.05	25.585	0	0	0.096	20.301	0	0.205	0.022
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	1	2	0.023	26.126	0	0	0.075	19.626	0	0.01	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	2	2	0.039	26.039	0	0	0.069	19.828	0	0.131	0.04
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	3	2	0.137	27.484	0	0	0.135	19.124	0.003	0.218	0.014
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	1	2	0.053	24.948	0	0	0.078	20.643	0.04	0.129	0.029

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO	ZnO	NiO
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	2	2	0.006	25.368	0	0	0.102	20.558	0.035	0	0.079
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	3	2	0.102	25.126	0	0	0.054	20.714	0	0.157	0.069
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChIII	1	2	0.037	25.354	0	0	0.067	20.847	0.023	0.008	0.043
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChIII	2	2	0.024	25.351	0	0	0.116	20.736	0	0.119	0.103
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	1	2	0.056	25.371	0	0	0.069	20.782	0	0.086	0.084
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	2	2	0.059	25.262	0	0	0.074	20.837	0	0.106	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	3	2	0.015	25.064	0	0	0.096	20.616	0	0.028	0.023
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChIII	1	2	0.015	26.648	0	0	0.078	21.448	0.029	0.076	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChIII	2	2	0.033	26.633	0	0	0.063	21.293	0.048	0.09	0.051
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_ChII	1	2	0.019	25.941	0	0	0.088	19.565	0.018	0.044	0.048
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_ChII	2	2	0.054	26.136	0	0	0.084	19.702	0.025	0.032	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_ChI	1	2	0.035	25.241	0	0	0.07	20.756	0.048	0.04	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_ChI	2	2	0.029	24.935	0	0	0.121	20.697	0.021	0.024	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_ChI	1	2	0.037	24.922	0	0	0.101	20.682	0.004	0.008	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_ChI	2	2	0.03	26.245	0	0	0.075	19.098	0	0.149	0.085
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	1	2	0.038	26.256	0	0	0.116	20.142	0	0.178	0.075
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	2	2	0.015	26.45	0	0	0.08	20.273	0.022	0.195	0.044
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	3	2	0.036	25.258	0	0	0.06	20.954	0.004	0.065	0.026
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	4	2	0	25.107	0	0	0.047	20.837	0.011	0.17	0.082
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	5	2	0.025	25.04	0	0	0.09	20.723	0	0.147	0.017
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	1	2	0.008	26.182	0	0	0.073	20.539	0	0.096	0.045
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	2	2	0.019	24.829	0	0	0.096	20.8	0.003	0.199	0.083
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	3	2	0.058	25.642	0	0	0.082	20.676	0.011	0.011	0.03
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	4	2	0.017	26.03	0	0	0.057	20.556	0.051	0.13	0.006
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	5	2	0.043	25.067	0	0	0.054	20.158	0.017	0.111	0.062
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_ChI	1	2	0.06	26.24	0	0	0.063	20.616	0.03	0.142	0.037
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_ChI	2	2	0.096	26.291	0	0	0.089	21.151	0.005	0.068	0.018
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_4_ChI	1	2	0.012	25.517	0	0	0.087	20.664	0.042	0.162	0.047
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_4_ChI	3	2	0.024	26.155	0	0	0.11	20.472	0	0.046	0.011
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_ChI	1	2	0.031	25.856	0	0	0.07	20.977	0.019	0.067	0.021
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_ChI	3	2	0.037	25.884	0	0	0.065	20.934	0.023	0.015	0.014
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_6_ChI	1	2	0.035	25.412	0	0	0.084	21.087	0	0	0.011
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_1_ChI	3	2	1.979	24.804	0	0	0.075	20.784	0.028	0.036	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	1	2	0.039	25.01	0	0	0.094	20.734	0.029	0	0.057
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	2	2	0.018	25.054	0	0	0.036	20.854	0	0.042	0.035
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	3	2	0.025	26.03	0	0	0.078	21.055	0	0.002	0.049
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	1	2	0.029	25.482	0	0	0.107	20.905	0.032	0.086	0.079
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	2	2	0.074	25.504	0	0	0.062	21.05	0.051	0.056	0.103
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	3	2	0.054	25.008	0	0	0.07	21.141	0	0.079	0.062
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChIII	4	2	0.048	25.248	0	0	0.094	20.783	0	0.095	0.045
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	1	2	0.015	25.753	0	0	0.066	20.454	0.006	0.13	0.106
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	2	2	0.04	25.75	0	0	0.084	20.469	0.004	0.18	0.054
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	3	2	0.057	24.944	0	0	0.122	20.662	0.03	0.022	0.097
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	4	2	0.116	25.28	0	0	0.116	20.869	0.027	0.081	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_ChI	1	2	0.012	24.589	0	0	0.095	21.236	0	0.071	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_ChI	2	2	0.062	24.652	0	0	0.118	21.123	0.025	0	0.047
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_ChI	1	2	0	25.597	0	0	0.085	20.766	0.024	0.065	0.06
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_ChI	2	2	0.034	25.368	0	0	0.072	20.908	0.016	0.043	0.079
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	1	2	0.027	25.586	0	0	0.079	20.663	0.025	0.01	0.092

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO	ZnO	NiO
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	2	2	0.066	25.398	0	0	0.1	20.647	0	0.012	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	3	2	0.034	25.257	0	0	0.084	20.85	0.04	0.024	0.005
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_ChI	1	2	0.032	25.44	0	0	0.059	21.206	0.035	0.109	0.002
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_ChI	2	2	0	25.498	0	0	0.09	21.082	0.018	0.03	0.014
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_9_ChI	1	2	0.012	25.13	0	0	0.098	20.832	0.043	0.108	0.061
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_9_ChI	2	2	0.077	25.115	0	0	0.085	20.924	0.031	0.138	0.003
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	1	2	0.034	25.863	0	0	0.044	20.153	0.018	0.038	0.038
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	2	2	0.01	25.927	0	0	0.075	20.451	0.003	0.058	0.028
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	3	2	0.208	25.43	0	0	0.097	21.19	0.018	0.026	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	4	2	0.358	25.601	0	0	0.068	21.595	0.022	0.012	0.032
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	5	2	0	26.533	0	0	0.08	20.404	0.013	0.054	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	6	2	0.102	25.589	0	0	0.095	20.875	0.022	0.02	0.04
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	1	2	0.053	25.053	0	0	0.135	21.179	0	0.093	0.026
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	2	2	0.078	24.889	0	0	0.109	21.541	0.003	0.117	0.057
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	3	2	0.075	24.769	0	0	0.127	21.738	0	0.091	0.051
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	4	2	0.089	24.993	0	0	0.132	21.366	0.015	0.016	0.02
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	6	2	0.152	25.03	0	0	0.093	21.538	0.024	0.022	0.066
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	1	2	0.062	25.338	0	0	0.107	21.667	0	0.095	0.045
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	2	2	0.091	25.342	0	0	0.156	21.708	0.038	0.038	0.039
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	3	2	0.06	25.559	0	0	0.108	21.322	0.035	0.085	0.088
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	4	2	0.155	25.22	0	0	0.173	21.525	0	0.058	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	5	2	0.089	25.411	0	0	0.073	21.697	0.028	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	1	2	0.045	25.394	0	0	0.038	21.825	0.059	0.062	0.074
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	2	2	0.061	25.391	0	0	0.052	21.372	0.007	0.03	0.042
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	3	2	0.06	25.229	0	0	0.071	21.394	0.046	0.087	0.043
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	5	2	0.08	25.048	0	0	0.093	21.741	0.025	0.071	0.042
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	1	2	0.085	25.026	0	0	0.105	21.655	0.055	0.069	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	2	2	0.063	25.146	0	0	0.137	21.37	0.046	0	0.029
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	3	2	0.037	25.097	0	0	0.092	21.294	0	0.022	0.017
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	4	2	0.139	25.078	0	0	0.103	21.279	0.016	0.079	0.08
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	5	2	0.082	24.646	0	0	0.096	21.744	0.016	0.103	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	6	2	0.073	24.801	0	0	0.103	21.573	0	0.083	0.137
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	7	2	0.073	24.829	0	0	0.093	21.636	0.007	0.105	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	8	2	0.063	24.548	0	0	0.108	21.224	0.041	0.075	0.049
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	1	2	0.034	26.204	0	0	0.02	20.136	0.029	0.044	0.02
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	2	2	0.028	26.579	0	0	0.073	19.102	0.051	0.018	0.049
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	3	2	0.012	26.703	0	0	0.069	19.848	0.035	0.036	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	4	2	0.034	26.391	0	0	0.046	20.378	0.019	0	0.032
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	6	2	0.039	26.769	0	0	0.04	19.21	0.009	0.056	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	10	2	0.017	26.552	0	0	0.056	19.092	0	0	0.003
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	1	2	0.107	25.369	0	0	0.104	21.45	0	0	0.051
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	2	2	0.163	25.355	0	0	0.145	21.203	0.015	0.093	0.023
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	3	2	0.085	25.214	0	0	0.117	21.471	0.053	0.089	0.029
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	4	2	0.186	25.158	0	0	0.122	21.576	0	0.012	0.06
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	5	2	0.207	24.956	0	0	0.087	21.419	0.081	0	0.045
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	1	2	0.058	25.183	0	0	0.108	21.769	0.044	0.117	0.022
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	2	2	0.087	25.567	0	0	0.112	21.551	0	0.046	0.006
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	3	2	0.097	25.192	0	0	0.074	21.651	0.006	0.024	0.039
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	4	2	0.033	25.467	0	0	0.102	21.718	0	0.091	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO	ZnO	NiO
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chl	5	2	0.102	25.155	0	0	0.211	21.657	0.052	0.085	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chl	6	2	0.024	25.094	0	0	0.05	21.554	0.04	0.026	0.003
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	1	2	0.021	25.671	0	0	0.065	20.687	0.02	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	2	2	0.001	25.816	0	0	0.066	20.101	0.041	0	0.076
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	3	2	0.061	25.17	0	0	0.118	22.138	0.016	0.042	0.026
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	4	2	0.048	25.16	0	0	0.153	21.88	0.009	0.139	0.005
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	5	2	0.061	25.773	0	0	0.065	20.149	0	0	0.032
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_ChI	1	2	0.096	25.336	0	0	0.059	21.263	0.048	0.1	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_ChI	1	2	0.067	26.513	0	0	0.074	19.972	0	0.099	0.005
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_ChI	2	2	0.129	26.563	0	0	0.104	19.961	0	0.183	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_ChI	1	2	0.47	25.051	0	0	0.085	21.216	0.077	0.124	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	1	2	0.059	27.064	0	0	0.107	19.899	0.019	0.037	0.003
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	2	2	0.11	28.103	0	0	0.092	19.455	0	0.1	0.05
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	3	2	0.083	27.468	0	0	0.075	20.562	0.016	0	0.044
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	4	2	0.058	27.639	0	0	0.072	19.689	0.045	0	0.008
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	5	2	0.051	28	0	0	0.138	19.162	0.016	0.083	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	1	2	0.09	28.213	0	0	0.092	20.231	0.077	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	3	2	0.045	27.04	0	0	0.061	18.518	0.079	0.14	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	4	2	0.09	27.105	0	0	0.02	19.915	0.003	0.073	0.026
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	1	2	0.126	27.729	0	0	0.086	19.809	0.042	0	0.015
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	5	2	0.074	28.196	0	0	0.102	19.762	0.033	0.106	0.02
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	1	2	0.078	27.07	0	0	0.113	19.778	0.036	0.229	0.105
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	2	2	0.098	27.195	0	0	0.126	19.554	0.024	0.01	0.03
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	3	2	0.112	27.202	0	0	0.084	19.408	0	0.159	0.041
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	4	2	0.098	27.332	0	0	0.094	19.416	0	0.037	0.044
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	5	2	0.054	26.673	0	0	0.07	19.976	0.05	0.071	0.051
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	6	2	0.194	26.598	0	0	0.103	20.096	0.06	0.087	0.014
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	1	2	0.069	27.323	0	0	0.088	20.029	0	0.189	0.024
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	2	2	0.159	27.139	0	0	0.103	19.52	0.02	0.189	0.026
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	5	2	0.055	26.362	0	0	0.076	19.852	0	0.061	0.027
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	1	2	0.053	26.996	0	0	0.078	20.52	0.009	0.024	0.033
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	2	2	0.099	27.332	0	0	0.085	20.428	0.027	0.065	0.048
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	3	2	0.089	26.827	0	0	0.103	20.296	0.01	0.029	0.077
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	4	2	0.119	27.355	0	0	0.122	20.556	0.066	0.012	0.062
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	5	2	0.092	27.193	0	0	0.102	20.657	0.013	0.03	0.051
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	1	2	0.075	26.916	0	0	0.105	19.404	0	0.103	0.037
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	2	2	0.116	26.729	0	0	0.12	19.066	0.004	0.081	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	5	2	0.082	27.175	0	0	0.108	19.319	0.051	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	1	2	0.022	27.16	0	0	0.068	19.413	0	0.048	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	2	2	0.088	28.08	0	0	0.121	19.144	0	0.074	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	3	2	0.1	27.477	0	0	0.083	19.286	0	0.024	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	1	2	0.04	26.099	0	0	0.063	20.636	0.044	0.12	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	2	2	0.026	26.185	0	0	0.057	19.828	0.056	0.075	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	3	2	0.028	26.149	0	0	0.102	19.962	0	0.149	0.074
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	4	2	0.047	26.223	0	0	0.074	20.125	0.06	0.165	0.017
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	5	2	0.047	27.156	0	0	0.081	19.729	0.049	0.108	0.002
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	6	2	0.029	26.019	0	0	0.09	20.555	0.042	0.03	0.027
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	1	2	0.027	26.383	0	0	0.088	19.89	0.017	0.088	0.02
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	2	2	0.048	26.155	0	0	0.118	20.134	0	0.031	0.036

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO	ZnO	NiO
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	3	2	0	25.362	0	0	0.066	20.811	0.027	0.02	0.078
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	4	2	0.047	25.369	0	0	0.095	20.872	0.02	0.1	0.038
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	5	2	0.052	25.821	0	0	0.136	19.648	0.011	0.128	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	1	2	0.098	25.532	0	0	0.091	20.2	0.044	0.12	0.006
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	2	2	0.034	26.048	0	0	0.108	19.887	0.074	0.145	0.089
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	3	2	0.075	25.841	0	0	0.092	20.668	0.027	0.029	0.02
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	2	2	0.051	26.964	0	0	0.082	20.108	0	0.113	0.063
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	3	2	0.062	25.794	0	0	0.085	20.73	0	0.088	0.002
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	5	2	0.033	27.319	0	0	0.098	20.42	0	0.01	0.036
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_chl	1	2	0.018	26.046	0	0	0.063	19.602	0.029	0.113	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_chl	2	2	0.003	26.035	0	0	0.08	19.69	0.003	0.165	0.04
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	1	2	0.055	25.122	0	0	0.106	20.325	0	0.012	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	2	2	0.077	24.873	0	0	0.085	20.18	0	0	0.082
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	3	2	0.024	26.364	0	0	0.041	18.916	0	0.075	0.028
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_bt	3	2	0.191	26.799	0	0	0.279	21.283	0.043	0	0.026
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_ch	2	2	0.023	27.997	0	0	0.065	19.068	0.045	0	0.075
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_ch	3	2	0.044	26.728	0	0	0.079	20.666	0.019	0.006	0.042
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	1	2	0.036	27.283	0	0	0.065	19.906	0.003	0.055	0.031
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	2	2	0.046	27.232	0	0	0.075	19.952	0.081	0	0.012
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	3	2	0.07	27.676	0	0	0.108	18.998	0.039	0.059	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	5	2	0.009	27.468	0	0	0.038	19.58	0.043	0.099	0.049
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	6	2	0.055	25.864	0	0	0.058	20.419	0.107	0.104	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_bt	3	2	0.062	26.279	0	0	0.117	22.18	0.056	0	0.084
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_chl	1	2	0.098	26.372	0	0	0.076	20.36	0.075	0	0.008
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_chl	2	2	0.125	26.503	0	0	0.107	20.53	0.003	0.092	0.06
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	2	2	0.007	26.384	0	0	0.019	19.75	0.02	0.029	0.07
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	3	2	0.011	26.152	0	0	0.061	20.714	0	0.027	0.064
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	4	2	0.048	26.14	0	0	0.07	20.401	0.016	0.039	0.051
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	5	2	0.068	27.056	0	0	0.102	20.119	0.013	0	0.009
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	6	2	0.043	26.937	0	0	0.068	21.586	0.04	0.101	0.086
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	7	2	0.018	26.843	0	0	0.057	19.798	0	0.063	0.035
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_chl	1	2	1.57	27.912	2.3537	0	0.194	19.345	0.05	0.082	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	1	2	0.013	25.847	0	0	0.057	20.661	0.031	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	2	2	0.017	26.151	0	0	0.068	20.191	0.034	0.051	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	3	2	0.057	26.418	0	0	0.033	20.352	0	0	0.03
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	4	2	0.023	25.845	0	0	0.069	20.603	0	0.061	0.028
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	5	2	0.051	27.663	0	0	0.04	19.081	0	0.041	0.031
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_chl	1	2	0.089	26.246	0	0	0.051	19.712	0.003	0.098	0.005
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_chl	3	2	0.066	26.836	0	0	0.058	20.216	0.026	0.027	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	1	2	0.03	26.087	0	0	0.057	20.649	0.056	0.115	0.06
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	2	2	0.003	26.425	0	0	0.041	20.465	0	0.131	0.012
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	3	2	0.03	26.339	0	0	0.058	19.901	0.054	0.069	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	4	2	0.051	26.392	0	0	0.082	20.32	0.054	0.057	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	5	2	0.055	26.8	0	0	0.064	19.685	0.046	0.022	0.006
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	6	2	0.037	25.595	0	0	0.053	20.179	0.013	0.084	0.014
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	7	2	0.012	25.056	0	0	0.031	20.414	0.069	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	8	2	0.052	25.615	0	0	0.069	20.292	0.039	0.216	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	9	2	0.046	25.592	0	0	0.086	20.461	0	0	0.02
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	1	2	0.076	25.794	0	0	0.067	20.094	0.007	0	0.008

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO	ZnO	NiO
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	2	2	0.084	26.776	0	0	0.076	19.795	0.027	0.053	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	3	2	0.071	26.563	0	0	0.058	19.918	0.032	0	0.066
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	6	2	0.093	26.725	0	0	0.093	19.667	0	0.153	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	7	2	0.06	25.828	0	0	0.074	20.555	0.004	0	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_1_ChI	1	2	0.043	24.775	0	0	0.099	20.387	0.011	0.043	0.054
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_2_ChI	1	2	0.059	25.543	0	0	0.108	20.147	0.009	0.03	0.045
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	1	2	0.034	24.992	0	0	0.1	20.599	0.02	0.107	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	2	2	0.06	25.579	0	0	0.097	20.16	0	0	0.028
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	3	2	0.035	25.463	0	0	0.087	20.137	0.02	0.022	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_ChI	1	2	0.013	25.327	0	0	0.088	20.16	0.054	0	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_ChI	2	2	0.068	25.443	0	0	0.064	20.222	0	0.022	0.054
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	1	2	0.011	28.46	0	0	0.084	19.553	0	0.101	0.088
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	2	2	0.068	25.705	0	0	0.042	20.091	0.043	0.134	0.053
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	3	2	0.084	25.966	0	0	0.104	19.372	0.099	0.013	0.064
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_6_ChI	1	2	0.078	25.305	0	0	0.064	20.239	0	0.152	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_6_ChI	4	2	0.028	25.369	0	0	0.092	20.031	0.004	0.12	0.048
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	1	2	0.035	25.93	0	0	0.103	19.838	0	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	2	2	0.054	25.496	0	0	0.097	20.138	0.016	0.076	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	3	2	0.022	25.584	0	0	0.077	20.198	0	0.128	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	5	2	0.067	26.484	0	0	0.107	19.78	0.012	0.06	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	1	2	0.048	26.376	0	0	0.075	21.676	0	0	0.062
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	2	2	0.049	25.691	0	0	0.08	21.774	0	0	0.037
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	3	2	0.023	25.44	0	0	0.086	21.663	0.029	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	1	2	0.03	25.385	0	0	0.081	19.942	0	0.074	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	2	2	0.056	25.785	0	0	0.069	20.031	0.067	0.06	0.038
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	3	2	0.03	26.205	0	0	0.11	19.389	0.057	0.12	0.017
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	4	2	0.072	26.118	0	0	0.085	19.16	0.05	0.128	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	5	2	0.019	25.261	0	0	0.086	19.893	0	0.09	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	6	2	0.042	25.437	0	0	0.091	20.18	0	0	0.058
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	1	2	0.02	25.919	0	0	0.05	19.799	0	0.142	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	2	2	0.022	25.581	0	0	0.106	19.667	0	0.136	0.057
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	3	2	0.003	25.522	0	0	0.106	19.967	0.054	0.072	0.043
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	1	2	0.06	25.63	0	0	0.067	20.103	0	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	2	2	0.048	25.473	0	0	0.118	20.047	0.013	0.094	0.043
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	3	2	0.035	25.767	0	0	0.103	19.794	0.032	0.106	0.035
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	4	2	0.056	25.586	0	0	0.074	19.923	0.056	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	5	2	0.035	25.397	0	0	0.098	20.322	0	0.188	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_chI	1	2	0.039	25.681	0	0	0.046	20.056	0.057	0.042	0.049
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_chI	2	2	0.044	25.924	0	0	0.079	19.897	0.045	0.044	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	1	2	0.06	25.554	0	0	0.092	20.119	0.016	0.032	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	2	2	0.062	25.624	0	0	0.052	19.723	0.013	0.064	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	3	2	0.027	25.368	0	0	0.089	19.953	0.009	0.03	0.083
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	4	2	0.066	25.269	0	0	0.075	20.103	0	0.074	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	1	2	0.037	25.364	0	0	0.038	20.003	0.02	0.104	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	2	2	0.023	25.652	0	0	0.085	20.107	0.051	0.214	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	3	2	0.026	25.323	0	0	0.086	20.249	0	0.07	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	1	2	0.071	25.336	0	0	0.069	20.375	0.018	0.026	0.062
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	2	2	0.071	25.454	0	0	0.093	19.952	0.003	0	0.032
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	3	2	0.061	25.459	0	0	0.041	20.191	0	0.094	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO	ZnO	NiO
MOSTMEG	<i>P#4</i>	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chl	4	2	0.036	25.585	0	0	0.041	20.125	0.006	0.12	0
MOSTMEG	<i>P#4</i>	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chl	5	2	0.059	25.437	0	0	0.048	20.153	0.028	0.034	0.042

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	FeO	MnO	CaO	MgO	Cs2O	K2O	Na2O	Cl	F	H2O
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_1_ChI	1	30.209	0.144	0.041	11.154	0	0.108	0.008	0	0	11.1898
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_ChI	1	29.828	0.103	0.011	12.552	0	0.096	0	0	0	11.2095
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_ChI	3	26.281	0.123	0.021	14.338	0	0.059	0.018	0	0	11.3515
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_ChI	1	28.293	0.114	0.06	12.931	0	0.167	0.015	0	0.129	11.3195
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_ChI	2	28.578	0.089	0.051	12.931	0	0.16	0.007	0	0	11.3459
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_5_ChI	1	29.304	0.179	0.117	11.759	0	0.187	0.002	0	0	11.2787
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_7_ChI	1	29.193	0.146	0.082	12.51	0	0.113	0.038	0	0	11.3176
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	1	29.708	0.124	0.17	10.855	0	0.125	0.003	0	0.175	11.2624
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	2	29.368	0.141	0.159	11.293	0	0.024	0.005	0	0.016	11.0287
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	4	30.008	0.198	0.012	11.695	0.002	0.026	0	0	0.028	11.0611
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	5	29.55	0.151	0.004	11.176	0.011	0.084	0.024	0	0	11.0637
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_chI	2	29.071	0.203	0.066	12.374	0	0.208	0.015	0	0	11.2813
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_chI	3	29.466	0.204	0.042	11.913	0	0.138	0.015	0	0	11.2445
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_chI	4	29.707	0.134	0.005	11.784	0	0.028	0.003	0	0.142	11.0342
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_chI	5	29.326	0.149	0.011	11.615	0.032	0.048	0.004	0	0.106	11.185
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	1	29.671	0.146	0.066	11.659	0	0.127	0.025	0	0	11.2102
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	2	29.897	0.162	0.005	11.951	0	0.026	0	0	0.026	11.149
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	3	29.942	0.159	0.025	12	0	0.025	0.033	0	0.056	11.1591
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	1	29.831	0.105	0.058	11.245	0.01	0.221	0	0	0	11.0398
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	3	29.22	0.191	0.055	12.337	0	0.07	0.015	0	0	11.1045
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	4	29.47	0.192	0.047	12.511	0	0.041	0.024	0	0.029	11.1216
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	1	29.355	0.163	0.034	11.437	0	0.051	0.036	0	0	11.0963
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	2	29.273	0.167	0.015	11.626	0.005	0.013	0	0	0	11.0794
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	3	27.429	0.13	0.12	12.605	0	0.212	0.048	0	0.176	11.1626
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	4	29.636	0.095	0.027	11.617	0	0.033	0.011	0	0.044	11.1231
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	5	29.796	0.158	0.025	11.659	0	0.041	0.011	0	0	11.1154
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	1	28.927	0.169	0.069	12.335	0	0.083	0.021	0	0	11.2807
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	2	30.257	0.174	0.086	11.061	0	0.068	0.02	0	0.063	11.1309
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	3	30.045	0.178	0.038	11.113	0.001	0.085	0.02	0	0	11.0815
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	4	29.183	0.168	0.013	11.947	0	0.044	0.005	0	0.188	11.1171
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_1_chI	1	0.9271	0.147	0.125	12.944	0	0.242	0.053	0	0	11.7692
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_1_chI	3	28.681	0.217	0	12.422	0	0.005	0.021	0	0	11.3169
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_2_chI	2	23.8156	0.202	0.15	12.558	0	0.104	0.013	0	0.027	11.7801
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_3_chI	1	26.962	0.176	0.019	12.173	0	0.202	0.05	0	0	11.4714
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_3_chI	4	10.0101	0.173	0.149	11.841	0	0.198	0.04	0	0	12.1424
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_4_chI	1	10.3794	0.223	0.092	11.75	0	0.28	0.108	0	0	11.9882
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	1	26.639	0.204	0.155	12.483	0.002	0.049	0.033	0	0.005	11.4718
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	2	26.849	0.186	0.117	12.681	0.032	0.05	0.032	0	0.006	11.3658
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	3	26.255	0.217	0.149	12.562	0	0.068	0.05	0	0	11.3142
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_7_chI	1	26.007	0.139	0.162	12.448	0	0.088	0.05	0	0	11.3524
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_7_chI	2	25.0728	0.168	0.188	12.454	0	0.095	0.072	0	0.098	11.4899
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	1	28.453	0.163	0	13.199	0.043	0.003	0.025	0	0.08	11.2345
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	2	28.517	0.241	0.005	13.153	0	0.01	0.016	0	0	11.2966
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	4	28.37	0.208	0.03	13.011	0	0.035	0.023	0	0.1	11.1613
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	5	28.505	0.212	0.011	12.832	0	0.015	0.011	0	0.003	11.1864
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	1	28.579	0.19	0	13.478	0	0.004	0	0	0	11.2425
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	2	28.439	0.295	0.026	13.335	0	0.01	0.008	0	0.048	11.23
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	3	25.595	0.164	0.039	14.631	0	0.064	0.049	0	0	11.3767
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	1	28.873	0.226	0	12.66	0	0.021	0	0	0	11.1299

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	FeO	MnO	CaO	MgO	Cs2O	K2O	Na2O	Cl	F	H2O
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	2	28.953	0.186	0	12.622	0.002	0.018	0.014	0	0	11.1795
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	3	29.408	0.175	0.015	12.349	0	0.004	0	0	0.008	11.1698
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChIII	1	28.678	0.175	0.016	12.804	0	0.02	0	0	0	11.2221
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChIII	2	28.474	0.159	0	12.79	0.03	0.021	0.026	0	0	11.2021
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	1	29.516	0.235	0.026	12.263	0.006	0.009	0.033	0	0	11.2232
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	2	29.671	0.282	0.03	12.365	0	0	0.029	0	0	11.2362
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	3	28.413	0.2	0.003	12.858	0	0.003	0.008	0	0.038	11.1069
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChIII	1	27.795	0.222	0.017	11.883	0	0.351	0.016	0	0.12	11.3197
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChIII	2	27.846	0.247	0	11.849	0.047	0.335	0.039	0	0	11.3579
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_ChII	1	28.679	0.205	0	12.915	0.015	0.009	0.017	0	0	11.1468
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_ChII	2	28.66	0.196	0.008	12.953	0	0.008	0.005	0	0.03	11.1892
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_ChI	1	29.172	0.209	0.007	12.393	0	0.026	0.018	0	0	11.1752
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_ChI	2	28.989	0.218	0.01	12.444	0	0.02	0.017	0	0	11.1103
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_ChI	1	29.277	0.192	0.046	12.375	0.006	0.019	0.015	0	0	11.1163
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_ChI	2	28.139	0.223	0.014	13.53	0	0.009	0.024	0	0	11.1796
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	1	29.068	0.121	0.236	10.795	0	0.12	0.029	0	0	11.0826
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	2	29.148	0.16	0.347	10.455	0.016	0.076	0.022	0	0.028	11.0881
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	3	30.76	0.106	0.084	10.657	0	0.051	0.034	0	0	11.1035
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	4	30.905	0.086	0.081	10.719	0.016	0.035	0.02	0	0	11.0795
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	5	30.293	0.094	0.16	10.653	0	0.018	0.011	0	0	11.0056
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	1	30.523	0.112	0.259	10.54	0	0.021	0	0	0	11.1799
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	2	30.437	0.131	0.037	10.655	0	0.024	0.028	0	0	10.9926
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	3	30.032	0.169	0.266	10.768	0	0.026	0.01	0	0	11.1093
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	4	29.54	0.117	0.021	11.607	0	0.009	0.005	0	0	11.2013
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	5	31.726	0.164	0.081	10.55	0	0.006	0	0	0	11.0105
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_ChI	1	30.89	0.128	0.291	10.504	0	0.074	0.016	0	0.028	11.2273
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_ChI	2	28.832	0.158	0.23	12.296	0	0.079	0.031	0	0	11.4103
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_4_ChI	1	29.815	0.152	0.209	10.861	0	0.034	0.03	0	0.01	11.0796
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_4_ChI	3	29.871	0.094	0.201	10.884	0.008	0.031	0.027	0	0	11.159
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_ChI	1	30.834	0.131	0.256	10.414	0	0.041	0.037	0	0.013	11.1955
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_ChI	3	29.292	0.07	0.246	10.848	0	0.021	0.007	0	0	11.1326
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_6_ChI	1	30.216	0.131	0.186	10.652	0	0.038	0.007	0	0.086	11.0749
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_1_ChI	3	29.841	0.252	0.032	11.597	0	0.009	0.023	0	0	11.3059
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	1	30.643	0.295	0.05	11.637	0.007	0.005	0.033	0	0.02	11.1458
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	2	30.695	0.22	0.07	11.586	0.012	0.007	0.021	0	0	11.1654
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	3	29.655	0.244	0.056	12.224	0.009	0.021	0.023	0	0	11.3749
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	1	29.625	0.264	0.056	12.033	0.005	0.02	0	0	0	11.2431
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	2	29.773	0.258	0.078	11.901	0.03	0.027	0.019	0	0.08	11.2303
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	3	29.668	0.305	0.031	11.662	0	0.346	0.012	0	0	11.1695
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChIII	4	29.801	0.239	0.034	12.041	0	0.023	0.006	0	0	11.1932
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	1	29.01	0.263	0.08	12.032	0.018	0.047	0.02	0	0.049	11.1571
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	2	29.116	0.247	0.058	12.216	0	0.036	0.014	0	0.013	11.207
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	3	29.872	0.247	0.058	11.409	0	0.046	0.015	0	0	11.0559
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	4	29.827	0.264	0.024	11.355	0	0.084	0.008	0	0	11.1383
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_ChI	1	29.982	0.217	0.009	11.573	0	0.022	0.019	0	0	11.0901
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_ChI	2	30.096	0.204	0.019	11.599	0	0.027	0.01	0	0	11.1031
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_ChI	1	30.097	0.3	0.066	11.793	0	0.054	0	0	0	11.2414
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_ChI	2	29.841	0.216	0.008	11.47	0	0.025	0.01	0	0	11.1546
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	1	29.624	0.241	0.03	12.153	0	0.016	0.008	0	0	11.2286

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	FeO	MnO	CaO	MgO	Cs2O	K2O	Na2O	Cl	F	H2O
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	2	29.506	0.245	0.013	12.185	0	0.009	0.017	0	0.003	11.1874
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	3	30.045	0.237	0.034	11.796	0	0.026	0.032	0	0	11.1845
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_ChI	1	30.388	0.223	0.065	11.877	0.013	0.019	0.028	0	0	11.3083
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_ChI	2	30.323	0.217	0.07	11.917	0	0.024	0.05	0	0	11.2961
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_9_ChI	1	29.745	0.26	0.033	11.713	0	0.026	0.001	0	0.022	11.1244
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_9_ChI	2	29.784	0.312	0.032	11.765	0	0.033	0.021	0	0.111	11.1133
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	1	28.992	0.347	0	12.651	0.004	0.004	0.005	0	0.155	11.1429
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	2	30.601	0.398	0.031	11.447	0	0.007	0.074	0	0	11.2465
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	3	27.359	0.263	0.012	13.726	0	0.011	0.007	0	0.127	11.2793
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	4	27.313	0.319	0	13.599	0	0.288	0.048	0	0	11.4499
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	5	30.126	0.351	0.09	12.271	0	0.008	0.134	0	0	11.4188
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	6	26.723	0.248	0.003	14.027	0	0.004	0.029	0	0.025	11.2882
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	1	27.176	0.216	0.017	13.762	0	0.014	0	0	0.015	11.2435
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	2	26.972	0.327	0.013	13.863	0	0.006	0.011	0	0	11.2882
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	3	26.142	0.296	0	14.188	0	0.016	0.016	0	0	11.2763
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	4	25.921	0.239	0	14.226	0.015	0.02	0	0	0	11.2383
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	6	26.177	0.297	0.041	14.21	0.014	0.016	0.019	0	0.012	11.2986
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	1	26.396	0.296	0.016	14.109	0	0.008	0.016	0	0.028	11.355
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	2	26.542	0.315	0.027	14.042	0	0.008	0.004	0	0.156	11.3105
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	3	25.825	0.301	0.002	14.31	0	0.077	0	0	0.127	11.2833
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	4	26.674	0.32	0.034	13.863	0	0.008	0.017	0	0.07	11.2986
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	5	25.719	0.316	0.026	14.463	0	0.026	0.024	0	0.014	11.3713
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	1	26.288	0.277	0.058	13.923	0	0.027	0.002	0	0	11.3654
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	2	26.56	0.313	0.029	14.182	0	0.007	0.007	0	0.125	11.2863
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	3	26.423	0.326	0.014	14.143	0	0.021	0.009	0	0	11.3136
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	5	26.15	0.318	0.014	14.3	0.014	0.004	0.003	0	0	11.337
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	1	26.905	0.29	0.02	13.828	0	0.037	0.023	0	0.176	11.2321
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	2	26.552	0.323	0.039	14.016	0	0.04	0.02	0	0.025	11.2816
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	3	26.839	0.3	0.047	13.811	0	0.028	0.007	0	0.106	11.2061
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	4	27.198	0.354	0	13.853	0	0.019	0.002	0	0	11.3034
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	5	27.493	0.207	0	13.58	0	0.023	0.009	0	0	11.2641
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	6	27.032	0.271	0.004	13.968	0.002	0.005	0	0	0.095	11.2468
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	7	27.706	0.293	0.006	13.408	0	0.016	0.015	0	0	11.2777
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	8	27.976	0.343	0.007	13.501	0	0.018	0.03	0	0.149	11.1357
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	1	30.375	0.361	0.042	11.2	0	0.047	0.03	0	0.068	11.1601
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	2	29.488	0.317	0.093	11.733	0.041	0.198	0.031	0	0.203	11.0245
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	3	29.049	0.284	0.081	12.529	0	0.062	0.03	0	0.075	11.2726
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	4	28.949	0.29	0.061	12.532	0.018	0.04	0.022	0	0.107	11.2745
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	6	32.586	0.255	0.056	9.526	0	0.189	0.05	0	0.011	11.0927
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	10	32.896	0.226	0.077	9.093	0	0.293	0.036	0	0.154	10.9363
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	1	27.408	0.23	0.005	13.054	0	0.013	0	0	0.127	11.2113
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	2	27.425	0.32	0.012	13.134	0	0.008	0.014	0	0.056	11.2405
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	3	27.19	0.29	0.005	13.106	0	0.016	0.014	0	0.173	11.1672
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	4	27.457	0.282	0.003	12.97	0	0.018	0.011	0	0.008	11.2616
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	5	27.435	0.296	0	13.089	0	0.012	0.015	0	0	11.2215
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	1	26.316	0.274	0.028	14.635	0	0.009	0.013	0	0.012	11.4131
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	2	26.35	0.288	0.024	14.544	0	0.022	0.016	0	0	11.4411
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	3	26.522	0.325	0	14.639	0	0.001	0.047	0	0	11.4168
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	4	26.246	0.241	0.06	14.325	0	0.084	0.004	0	0.111	11.3579

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	FeO	MnO	CaO	MgO	Cs2O	K2O	Na2O	Cl	F	H2O
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chl	5	26.261	0.298	0.009	14.274	0.017	0.037	0.02	0	0	11.3623
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chl	6	26.802	0.283	0.021	14.151	0.009	0.05	0.022	0	0	11.3297
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	1	30.961	0.428	0	10.624	0.018	0.015	0.012	0	0	11.1494
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	2	30.551	0.402	0.054	10.998	0.038	0.035	0.019	0	0.17	11.0319
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	3	26.222	0.293	0.064	13.858	0	0.015	0.037	0	0	11.3695
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	4	26.393	0.26	0.04	13.955	0	0.019	0.011	0	0.088	11.3114
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	5	29.823	0.381	0.005	11.609	0	0.017	0	0	0	11.1322
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_ChI	1	27.421	0.243	0.016	13.6	0	0.033	0	0	0.015	11.3026
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_ChI	1	27.367	0.218	0	14.513	0.008	0.03	0	0	0	11.4217
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_ChI	2	27.27	0.257	0	14.325	0.017	0.033	0.023	0	0	11.4188
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_ChI	1	27.504	0.218	0.03	13.323	0	0.042	0.007	0	0.006	11.2754
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	1	25.975	1.009	0.029	14.603	0	0.037	0	0	0.171	11.395
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	2	24.891	0.901	0.022	14.577	0	0.285	0	0	0.134	11.459
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	3	24.28	0.93	0.031	13.872	0	0.414	0.019	0	0.03	11.4335
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	4	24.731	0.928	0.007	14.806	0	0.046	0.003	0	0	11.4676
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	5	25.097	1.022	0.022	14.216	0	0.067	0.034	0	0.016	11.4144
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	1	23.713	0.989	0.037	14.165	0	0.417	0.021	0	0.088	11.4871
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	3	26.597	0.976	0.035	13.706	0.017	0.324	0.042	0	0.066	11.181
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	4	25.176	1.037	0.032	14.841	0	0.116	0	0	0.07	11.4306
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	1	24.415	0.927	0.013	15.103	0	0.327	0	0	0.045	11.5213
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	5	24.333	0.826	0.029	14.502	0	0.142	0	0	0	11.5186
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	1	25.516	1.174	0.011	14.771	0.022	0.018	0.01	0	0.018	11.4721
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	2	25.401	1.271	0.016	14.875	0	0.037	0.002	0	0	11.4651
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	3	25.368	1.192	0.014	15.128	0.013	0.022	0.009	0	0.006	11.4723
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	4	25.22	1.15	0.015	14.852	0.003	0.131	0.008	0	0	11.4472
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	5	24.984	1.215	0.007	14.67	0.007	0.018	0.023	0	0.074	11.3392
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	6	25.225	1.188	0	14.225	0	0.053	0.006	0	0.003	11.3566
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	1	24.086	0.929	0.147	14.465	0	0.282	0.032	0	0.013	11.4118
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	2	24.766	0.981	0.04	14.642	0	0.235	0.032	0	0.143	11.3182
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	5	25.164	0.996	0.024	15.011	0	0.044	0.005	0	0	11.3409
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	1	25.75	1.054	0.027	14.262	0	0.089	0.009	0	0	11.5026
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	2	25.532	0.958	0.027	14.095	0	0.074	0.014	0	0.086	11.472
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	3	25.789	0.997	0.014	14.528	0	0.037	0.008	0	0	11.4788
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	4	25.375	0.996	0.053	14.077	0	0.065	0.005	0	0.059	11.5038
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	5	24.967	0.994	0.039	14.087	0	0.024	0	0	0	11.4804
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	1	25.972	0.989	0.022	14.282	0	0.047	0.016	0	0	11.342
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	2	25.413	1.07	0.004	14.293	0	0.064	0.003	0	0.026	11.2149
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	5	25.096	1.007	0.024	14.502	0	0.055	0	0	0.063	11.3035
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	1	26.172	1.188	0.029	14.638	0.006	0.074	0.006	0	0.257	11.3224
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	2	25.905	1.173	0.028	14.597	0	0.028	0	0	0.068	11.5157
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	3	25.755	1.125	0.006	14.685	0	0.171	0.014	0	0.071	11.431
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	1	29.582	0.141	0.023	11.746	0.069	0.033	0	0	0.127	11.1921
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	2	28.989	0.087	0.009	12.908	0	0.031	0.026	0	0	11.2414
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	3	29.673	0.162	0.012	11.864	0	0.106	0.005	0	0.083	11.1526
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	4	29.122	0.152	0.001	12.673	0	0.107	0	0	0	11.2898
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	5	28.738	0.155	0.036	12.33	0	0.139	0.001	0	0.07	11.2861
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	6	29.183	0.159	0.034	11.645	0	0.135	0.04	0	0.051	11.1681
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	1	28.818	0.187	0.035	12.874	0	0.171	0.02	0	0	11.289
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	2	29.075	0.145	0.026	12.461	0.008	0.099	0.018	0	0	11.2475

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	FeO	MnO	CaO	MgO	Cs2O	K2O	Na2O	Cl	F	H2O
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	3	30.339	0.198	0	11.305	0	0.058	0.016	0	0.009	11.1433
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	4	30.315	0.191	0.015	11.36	0.023	0.032	0	0	0	11.1729
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	5	29.577	0.17	0.031	12.356	0.026	0.048	0.013	0	0.039	11.1265
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	1	29.89	0.103	0.024	11.951	0	0.064	0.04	0	0	11.1492
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	2	29.762	0.135	0.065	12.164	0	0.157	0.075	0	0.026	11.2118
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	3	29.639	0.138	0.005	12.214	0	0	0.03	0	0.043	11.2565
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	2	28.973	0.118	0.032	12.721	0.004	0.145	0.047	0	0	11.4152
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	3	29.331	0.117	0.039	12.039	0	0.212	0.018	0	0	11.2452
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	5	29.232	0.164	0.023	11.567	0.022	0.08	0.016	0	0	11.3821
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_chl	1	29.402	0.184	0.026	12.278	0	0.03	0.005	0	0	11.1403
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_chl	2	29.579	0.136	0.026	12.36	0.005	0.049	0.002	0	0.069	11.1446
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	1	30.109	0.138	0.016	11.352	0	0.051	0.006	0	0	11.0227
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	2	30.223	0.171	0	11.772	0	0.008	0	0	0	11.0235
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	3	29.022	0.151	0.042	12.953	0	0.024	0	0	0.01	11.1406
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_bt	3	28.079	0.155	0.085	12.96	0	0.202	0.051	0	0.089	11.5299
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_ch	2	26.859	0.124	0.22	13.39	0	0.098	0.06	0	0.088	11.333
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_ch	3	27.756	0.178	0.05	12.625	0	0.065	0.046	0	0	11.3526
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	1	28.036	0.196	0.053	14.055	0.004	0.03	0.031	0	0.014	11.5264
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	2	28.947	0.172	0.091	12.55	0.016	0.167	0.048	0	0.015	11.4083
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	3	28.199	0.128	0.118	13.046	0	0.221	0.039	0	0.129	11.3047
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	5	27.532	0.148	0.121	14.274	0	0.044	0.025	0	0.034	11.4932
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	6	28.097	0.149	0.035	12.786	0.001	0.017	0.015	0	0	11.209
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_bt	3	27.308	0.127	0.066	13.375	0	0.026	0.036	0.021	0.085	11.5277
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_chl	1	27.972	0.175	0.068	12.463	0	0.217	0.05	0	0	11.2559
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_chl	2	28.586	0.14	0.097	11.653	0	0.267	0.073	0	0.05	11.2393
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	2	28.205	0.158	0.043	13.463	0	0.037	0.038	0	0	11.2823
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	3	28.224	0.194	0.064	13.01	0.019	0.033	0.048	0	0.054	11.3156
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	4	28.94	0.141	0.076	12.439	0	0.037	0.175	0	0.124	11.225
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	5	28.301	0.214	0.056	12.572	0.02	0.058	0.021	0	0.139	11.2959
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	6	27.843	0.17	0.017	12.288	0	0.427	0.034	0	0	11.5146
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	7	27.862	0.162	0.077	12.647	0	0.231	0.037	0	0	11.2577
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_chl	1	24.4071	0.156	0.134	13.119	0	0.208	0.039	0	0	11.6308
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	1	28.008	0.1	0.056	13.348	0	0.007	0.012	0	0	11.291
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	2	27.485	0.13	0.003	13.803	0.028	0.008	0.007	0	0.104	11.2457
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	3	28.202	0.205	0.037	13.17	0	0.061	0.016	0	0	11.3467
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	4	28.534	0.16	0.061	12.758	0	0.038	0.02	0	0.007	11.2554
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	5	27.316	0.159	0.093	13.884	0.005	0.044	0.024	0	0.169	11.3193
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_chl	1	28.015	0.173	0.085	12.911	0.026	0.125	0.062	0	0	11.1942
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_chl	3	27.811	0.19	0.098	12.798	0.006	0.052	0.04	0	0	11.3325
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	1	28.666	0.166	0.037	13.042	0	0	0.031	0	0.056	11.3305
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	2	28.218	0.165	0.075	13.221	0	0.037	0.029	0	0.001	11.3734
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	3	28.226	0.22	0.033	13.319	0.006	0.025	0.042	0	0	11.2898
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	4	28.438	0.136	0.082	12.783	0	0.032	0.01	0	0	11.3094
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	5	27.837	0.155	0.09	12.84	0	0.028	0.06	0	0.024	11.2387
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	6	28.481	0.214	0.044	13.069	0.027	0.015	0.086	0	0	11.1957
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	7	29.492	0.215	0.079	12.733	0	0.017	0.047	0	0	11.1583
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	8	27.898	0.181	0.057	13.214	0	0.036	0	0	0.039	11.1787
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	9	28.293	0.193	0.032	13.208	0.033	0.019	0.042	0	0.012	11.2297
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	1	27.739	0.17	0.095	13.098	0	0.03	0.009	0	0	11.1634

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	FeO	MnO	CaO	MgO	Cs2O	K2O	Na2O	Cl	F	H2O
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	2	26.983	0.18	0.109	13.544	0	0.028	0.037	0	0	11.2988
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	3	27.813	0.137	0.062	12.815	0	0.04	0.016	0	0.049	11.2134
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	6	28.676	0.16	0.108	12.021	0	0.111	0.052	0	0.132	11.1475
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	7	27.9	0.153	0.086	12.672	0	0.03	0.039	0	0	11.1946
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_1_ChI	1	29.914	0.129	0.006	11.88	0	0.031	0.013	0	0	11.0278
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_2_ChI	1	30.744	0.168	0.068	11.246	0.002	0.058	0	0	0	11.1119
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	1	30.471	0.176	0	11.499	0	0.03	0.022	0	0	11.0914
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	2	30.145	0.171	0.017	11.624	0	0.045	0.011	0	0	11.1168
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	3	30.444	0.147	0.01	11.628	0	0.025	0.01	0	0	11.1077
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_ChI	1	31.741	0.141	0	10.15	0	0.032	0.002	0	0	10.9874
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_ChI	2	30.561	0.14	0.027	10.805	0	0.309	0.006	0	0	11.0416
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	1	29.237	0.15	0.02	11.805	0	0.014	0.014	0	0	11.4767
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	2	29.38	0.111	0	11.786	0	0.019	0.004	0	0.078	11.056
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	3	30.043	0.157	0.022	11.763	0	0.02	0.009	0	0	11.0825
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_6_ChI	1	30.764	0.169	0.003	11.06	0	0.056	0.01	0	0	11.0598
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_6_ChI	4	30.674	0.152	0.045	11.417	0	0.032	0.034	0	0.032	11.0644
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	1	30.184	0.161	0.036	12.35	0.026	0.017	0	0	0	11.2181
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	2	30.571	0.166	0.032	12.243	0	0.015	0.016	0	0.012	11.2055
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	3	29.618	0.183	0.029	12.573	0	0.009	0.004	0	0.006	11.2026
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	5	29.211	0.184	0.007	13.01	0	0.112	0	0	0.051	11.3071
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	1	29.026	0.139	0.034	11.993	0.002	0.027	0.01	0	0	11.4466
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	2	28.677	0.213	0.046	12.133	0	0.015	0	0	0.046	11.319
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	3	29.166	0.178	0.049	12.139	0	0.016	0.003	0.012	0	11.3075
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	1	29.493	0.184	0.023	12.634	0	0.017	0.023	0	0.038	11.113
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	2	29.922	0.169	0.024	12.128	0	0.225	0	0	0.062	11.1643
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	3	29.25	0.173	0.022	12.842	0	0.163	0	0	0.059	11.183
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	4	29.254	0.196	0.027	13.095	0.001	0.02	0.024	0	0	11.1923
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	5	29.599	0.227	0.044	12.254	0	0.029	0	0	0	11.0653
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	6	30.242	0.238	0.028	12.112	0.02	0	0.012	0	0.06	11.1393
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	1	29.896	0.236	0.014	12.49	0	0.018	0.018	0	0	11.2138
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	2	29.415	0.185	0.012	12.501	0	0.03	0.05	0	0.197	11.0183
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	3	29.485	0.195	0.044	12.014	0	0.034	0.035	0	0	11.0869
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	1	29.21	0.2	0	12.123	0	0.075	0.104	0	0	11.1185
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	2	29.892	0.183	0.008	11.886	0	0.054	0.045	0	0.034	11.0921
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	3	29.271	0.165	0.017	12.259	0	0.051	0.071	0	0	11.1225
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	4	29.385	0.191	0.016	12.39	0	0.034	0.086	0	0	11.1295
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	5	29.557	0.166	0.021	12.121	0	0.039	0.114	0	0.093	11.1024
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_chI	1	29.791	0.18	0.008	12.247	0	0.055	0.009	0	0	11.171
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_chI	2	29.5	0.17	0.012	12.294	0	0.02	0.04	0	0.031	11.1597
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	1	29.717	0.157	0.021	12.386	0	0.068	0.023	0	0	11.1746
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	2	30.089	0.185	0.039	12.318	0	0.044	0.03	0	0	11.1457
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	3	29.81	0.21	0.058	12.303	0.014	0.057	0.048	0	0	11.1235
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	4	30.286	0.2	0.034	12.083	0	0.069	0.062	0	0.101	11.0863
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	1	30.536	0.227	0.059	12.076	0	0.008	0.005	0	0	11.1436
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	2	30.238	0.15	0.039	12.275	0.012	0.003	0.002	0	0.054	11.1904
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	3	29.86	0.169	0.018	12.245	0	0	0.012	0	0.012	11.1341
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	1	29.317	0.182	0.009	12.72	0	0.015	0	0	0	11.189
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	2	30.013	0.157	0.036	11.867	0	0.002	0.009	0	0	11.085
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	3	29.513	0.213	0.002	12.181	0	0.002	0.023	0	0.067	11.0937

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	FeO	MnO	CaO	MgO	Cs2O	K2O	Na2O	Cl	F	H2O
MOSTMEG	<i>P#4</i>	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chl	4	29.977	0.219	0	11.972	0	0.002	0.021	0	0	11.1424
MOSTMEG	<i>P#4</i>	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chl	5	29.842	0.192	0	12.044	0.008	0.013	0.004	0	0.003	11.1186

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Total#	O=F	O=Cl	Total	Si4+	Al3+	Total	Ti4+	Fe3+	Mn3+
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_1_ChI	1	99.6478	0	0	99.6478	2.7473	1.2527	4	0.0065	0	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_ChI	1	99.7355	0	0	99.7355	2.7872	1.2128	4	0.0038	0	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_ChI	3	99.1605	0	0	99.1605	2.784	1.216	4	0.0083	0	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_ChI	1	100.5385	-0.0543	0	100.4842	2.7189	1.2811	4	0.0346	0	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_ChI	2	100.2829	0	0	100.2829	2.7046	1.2954	4	0.0344	0	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_5_ChI	1	100.0137	0	0	100.0137	2.7975	1.2025	4	0.0026	0	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_7_ChI	1	100.2096	0	0	100.2096	2.8375	1.1625	4	0.0053	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	1	100.4844	-0.0737	0	100.4107	2.8367	1.1633	4	0.0021	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	2	98.0727	-0.0067	0	98.0659	2.7407	1.2593	4	0.0044	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	4	98.7331	-0.0118	0	98.7213	2.7735	1.2265	4	0.0047	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	5	98.4627	0	0	98.4627	2.7666	1.2334	4	0.0055	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_chI	2	99.8263	0	0	99.8263	2.8403	1.1597	4	0.0016	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_chI	3	99.6405	0	0	99.6405	2.8344	1.1656	4	0.0022	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_chI	4	98.8592	-0.0598	0	98.7994	2.7745	1.2255	4	0.0049	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_chI	5	99.691	-0.0446	0	99.6464	2.6781	1.3219	4	0.0015	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	1	99.7262	0	0	99.7262	2.743	1.257	4	0.0029	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	2	99.38	-0.0109	0	99.369	2.6915	1.3085	4	0.0061	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	3	99.6371	-0.0236	0	99.6135	2.714	1.286	4	0.0031	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	1	98.4708	0	0	98.4708	2.6976	1.3024	4	0.0029	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	3	98.7545	0	0	98.7545	2.7601	1.2399	4	0.0027	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	4	98.9976	-0.0122	0	98.9853	2.7752	1.2248	4	0.0058	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	1	98.5703	0	0	98.5703	2.7148	1.2852	4	0.0001	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	2	98.4614	0	0	98.4614	2.7104	1.2896	4	0.0032	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	3	98.7776	-0.0741	0	98.7035	2.95	1.05	4	0.0049	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	4	99.0321	-0.0185	0	99.0135	2.7129	1.2871	4	0.0038	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	5	98.9494	0	0	98.9494	2.7067	1.2933	4	0.0031	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	1	99.7597	0	0	99.7597	2.829	1.171	4	0.0084	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	2	99.4599	-0.0265	0	99.4334	2.7497	1.2503	4	0.009	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	3	98.7915	0	0	98.7915	2.724	1.276	4	0.0047	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	4	99.3551	-0.0792	0	99.276	2.7564	1.2436	4	0.0085	0	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_1_chI	1	98.3107	0	0	98.3107	2.993	1.007	4	0.007	2.0684	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_1_chI	3	99.8989	0	0	99.8989	2.8184	1.1816	4	0.0031	0	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_2_chI	2	101.7942	-0.0114	0	101.7828	2.9934	1.0066	4	0.0066	0.2345	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_3_chI	1	99.9294	0	0	99.9294	2.9739	1.0261	4	0.0046	0	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_3_chI	4	101.9844	0	0	101.9844	2.9981	1.0019	4	0.0019	1.2679	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_4_chI	1	100.7045	0	0	100.7045	2.9964	1.0036	4	0.0036	1.1829	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	1	99.8928	-0.0021	0	99.8907	2.9033	1.0967	4	0.0011	0	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	2	99.2988	-0.0025	0	99.2962	2.8667	1.1333	4	0.0032	0	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	3	98.6072	0	0	98.6072	2.8879	1.1121	4	0.0026	0	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_7_chI	1	98.6654	0	0	98.6654	2.9419	1.0581	4	0.0035	0	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_7_chI	2	99.7178	-0.0413	0	99.6765	2.9968	1.0032	4	0.0032	0.0484	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	1	99.6465	-0.0337	0	99.6129	2.7963	1.2037	4	0.0034	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	2	99.7166	0	0	99.7166	2.8167	1.1833	4	0.0027	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	4	99.1013	-0.0421	0	99.0592	2.754	1.246	4	0.0051	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	5	99.0344	-0.0013	0	99.0332	2.7427	1.2573	4	0.004	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	1	99.3535	0	0	99.3535	2.7871	1.2129	4	0.0018	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	2	99.537	-0.0202	0	99.5168	2.7753	1.2247	4	0.0031	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	3	99.0337	0	0	99.0337	2.8974	1.1026	4	0.0109	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	1	98.8299	0	0	98.8299	2.6883	1.3117	4	0.0043	0	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Total#	O=F	O=Cl	Total	Si4+	Al3+	Total	Ti4+	Fe3+	Mn3+
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	2	99.1225	0	0	99.1225	2.7215	1.2785	4	0.0005	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	3	99.3508	-0.0034	0	99.3474	2.6969	1.3031	4	0.0082	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChIII	1	99.2941	0	0	99.2941	2.7097	1.2903	4	0.003	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChIII	2	99.1511	0	0	99.1511	2.7141	1.2859	4	0.0019	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	1	99.7592	0	0	99.7592	2.7112	1.2888	4	0.0045	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	2	99.9512	0	0	99.9512	2.6964	1.3036	4	0.0047	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	3	98.4719	-0.016	0	98.4559	2.7021	1.2979	4	0.0012	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChIII	1	100.0177	-0.0505	0	99.9672	2.8093	1.1907	4	0.0012	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChIII	2	99.9319	0	0	99.9319	2.8123	1.1877	4	0.0026	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_ChII	1	98.7098	0	0	98.7098	2.7911	1.2089	4	0.0015	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_ChII	2	99.0822	-0.0126	0	99.0696	2.7979	1.2021	4	0.0043	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_ChI	1	99.1902	0	0	99.1902	2.7089	1.2911	4	0.0028	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_ChI	2	98.6353	0	0	98.6353	2.6917	1.3083	4	0.0024	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_ChI	1	98.8003	0	0	98.8003	2.6888	1.3112	4	0.003	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_ChI	2	98.8006	0	0	98.8006	2.8155	1.1845	4	0.0024	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	1	98.2566	0	0	98.2566	2.8414	1.1586	4	0.0031	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	2	98.4191	-0.0118	0	98.4074	2.8575	1.1425	4	0.0012	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	3	99.1985	0	0	99.1985	2.7282	1.2718	4	0.0029	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	4	99.1955	0	0	99.1955	2.7178	1.2822	4	0	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	5	98.2766	0	0	98.2766	2.7287	1.2713	4	0.002	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	1	99.5779	0	0	99.5779	2.8087	1.1913	4	0.0006	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	2	98.3336	0	0	98.3336	2.7089	1.2911	4	0.0016	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	3	98.8903	0	0	98.8903	2.7683	1.2317	4	0.0047	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	4	99.3473	0	0	99.3473	2.7871	1.2129	4	0.0014	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	5	99.0495	0	0	99.0495	2.7304	1.2696	4	0.0035	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_ChI	1	100.3463	-0.0118	0	100.3345	2.7997	1.2003	4	0.0048	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_ChI	2	100.7543	0	0	100.7543	2.7634	1.2366	4	0.0076	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_4_ChI	1	98.7216	-0.0042	0	98.7174	2.761	1.239	4	0.001	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_4_ChI	3	99.093	0	0	99.093	2.8111	1.1889	4	0.0019	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_ChI	1	99.9625	-0.0055	0	99.957	2.7683	1.2317	4	0.0025	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_ChI	3	98.5886	0	0	98.5886	2.7885	1.2115	4	0.003	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_6_ChI	1	99.0199	-0.0362	0	98.9837	2.7418	1.2582	4	0.0028	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_1_ChI	3	100.7659	0	0	100.7659	2.6312	1.3688	4	0.1579	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	1	99.7988	-0.0084	0	99.7904	2.6889	1.3111	4	0.0032	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	2	99.8154	0	0	99.8154	2.6912	1.3088	4	0.0015	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	3	100.8459	0	0	100.8459	2.7445	1.2555	4	0.002	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	1	99.9661	0	0	99.9661	2.7182	1.2818	4	0.0023	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	2	100.2963	-0.0337	0	100.2626	2.7145	1.2855	4	0.0059	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	3	99.6075	0	0	99.6075	2.6852	1.3148	4	0.0044	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChIII	4	99.6502	0	0	99.6502	2.7053	1.2947	4	0.0039	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	1	99.2061	-0.0206	0	99.1855	2.7626	1.2374	4	0.0012	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	2	99.488	-0.0055	0	99.4825	2.7542	1.2458	4	0.0032	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	3	98.6369	0	0	98.6369	2.7059	1.2941	4	0.0047	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	4	99.1893	0	0	99.1893	2.7221	1.2779	4	0.0094	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_ChI	1	98.9151	0	0	98.9151	2.6592	1.3408	4	0.001	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_ChI	2	99.0851	0	0	99.0851	2.6629	1.3371	4	0.005	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_ChI	1	100.1484	0	0	100.1484	2.7309	1.2691	4	0	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_ChI	2	99.2446	0	0	99.2446	2.7276	1.2724	4	0.0028	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	1	99.7826	0	0	99.7826	2.7329	1.2671	4	0.0022	0	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Total#	O=F	O=Cl	Total	Si4+	Al3+	Total	Ti4+	Fe3+	Mn3+
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	2	99.3884	-0.0013	0	99.3871	2.7224	1.2776	4	0.0053	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	3	99.6485	0	0	99.6485	2.7083	1.2917	4	0.0027	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_ChI	1	100.8043	0	0	100.8043	2.6981	1.3019	4	0.0026	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_ChI	2	100.6291	0	0	100.6291	2.7072	1.2928	4	0	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_9_ChI	1	99.2084	-0.0093	0	99.1991	2.7068	1.2932	4	0.001	0	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_9_ChI	2	99.5443	-0.0467	0	99.4975	2.6976	1.3024	4	0.0062	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	1	99.4889	-0.0653	0	99.4237	2.7654	1.2346	4	0.0027	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	2	100.3565	0	0	100.3565	2.7649	1.2351	4	0.0008	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	3	99.7533	-0.0535	0	99.6998	2.6896	1.3104	4	0.0166	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	4	100.7049	0	0	100.7049	2.6816	1.3184	4	0.0282	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	5	101.4828	0	0	101.4828	2.7868	1.2132	4	0	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	6	99.0902	-0.0105	0	99.0797	2.7159	1.2841	4	0.0081	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	1	98.9825	-0.0063	0	98.9762	2.6707	1.3293	4	0.0043	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	2	99.2742	0	0	99.2742	2.6444	1.3556	4	0.0062	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	3	98.7853	0	0	98.7853	2.6344	1.3656	4	0.006	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	4	98.2903	0	0	98.2903	2.6672	1.3328	4	0.0071	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	6	99.0096	-0.0051	0	99.0046	2.6556	1.3444	4	0.0121	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	1	99.538	-0.0118	0	99.5262	2.6731	1.3269	4	0.0049	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	2	99.8165	-0.0657	0	99.7508	2.6697	1.3303	4	0.0072	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	3	99.1823	-0.0535	0	99.1288	2.7023	1.2977	4	0.0048	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	4	99.4156	-0.0295	0	99.3861	2.6692	1.3308	4	0.0123	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	5	99.2573	-0.0059	0	99.2514	2.6785	1.3215	4	0.0071	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	1	99.4374	0	0	99.4374	2.6797	1.3203	4	0.0036	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	2	99.4643	-0.0526	0	99.4117	2.6841	1.3159	4	0.0049	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	3	99.1796	0	0	99.1796	2.6745	1.3255	4	0.0048	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	5	99.24	0	0	99.24	2.6498	1.3502	4	0.0064	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	1	99.5061	-0.0741	0	99.432	2.6525	1.3475	4	0.0068	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	2	99.0876	-0.0105	0	99.0771	2.6704	1.3296	4	0.005	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	3	98.9031	-0.0446	0	98.8585	2.674	1.326	4	0.003	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	4	99.5034	0	0	99.5034	2.6609	1.3391	4	0.0111	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	5	99.2631	0	0	99.2631	2.6242	1.3758	4	0.0066	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	6	99.3938	-0.04	0	99.3538	2.6342	1.3658	4	0.0058	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	7	99.4647	0	0	99.4647	2.6405	1.3595	4	0.0058	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	8	99.2677	-0.0627	0	99.2049	2.6272	1.3728	4	0.0051	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	1	99.7701	-0.0286	0	99.7415	2.8079	1.1921	4	0.0027	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	2	99.0285	-0.0855	0	98.9431	2.8664	1.1336	4	0.0023	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	3	100.0856	-0.0316	0	100.0541	2.8321	1.1679	4	0.001	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	4	100.1935	-0.0451	0	100.1484	2.7948	1.2052	4	0.0027	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	6	99.8887	-0.0046	0	99.8841	2.8929	1.1071	4	0.0032	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	10	99.4313	-0.0648	0	99.3664	2.8925	1.1075	4	0.0014	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	1	99.1293	-0.0535	0	99.0759	2.6994	1.3006	4	0.0086	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	2	99.2065	-0.0236	0	99.1829	2.6989	1.3011	4	0.0131	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	3	99.0192	-0.0728	0	98.9464	2.6882	1.3118	4	0.0068	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	4	99.1246	-0.0034	0	99.1213	2.6784	1.3216	4	0.0149	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	5	98.8635	0	0	98.8635	2.6673	1.3327	4	0.0166	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	1	100.0011	-0.0051	0	99.9961	2.645	1.355	4	0.0046	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	2	100.0541	0	0	100.0541	2.6801	1.3199	4	0.0069	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	3	100.0338	0	0	100.0338	2.6464	1.3536	4	0.0077	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	4	99.8399	-0.0467	0	99.7932	2.6768	1.3232	4	0.0026	0	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Total#	O=F	O=Cl	Total	Si4+	Al3+	Total	Ti4+	Fe3+	Mn3+
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chl	5	99.5403	0	0	99.5403	2.6552	1.3448	4	0.0081	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chl	6	99.4587	0	0	99.4587	2.6564	1.3436	4	0.0019	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	1	99.6714	0	0	99.6714	2.7614	1.2386	4	0.0017	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	2	99.3999	-0.0716	0	99.3283	2.7862	1.2138	4	0.0001	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	3	99.4295	0	0	99.4295	2.6551	1.3449	4	0.0048	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	4	99.4714	-0.0371	0	99.4344	2.6579	1.3421	4	0.0038	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	5	99.0472	0	0	99.0472	2.7767	1.2233	4	0.0049	0	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_ChI	1	99.5326	-0.0063	0	99.5263	2.6867	1.3133	4	0.0077	0	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_ChI	1	100.2877	0	0	100.2877	2.784	1.216	4	0.0053	0	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_ChI	2	100.2838	0	0	100.2838	2.79	1.21	4	0.0102	0	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_ChI	1	99.4284	-0.0025	0	99.4258	2.6639	1.3361	4	0.0376	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	1	100.407	-0.072	0	100.335	2.8284	1.1716	4	0.0046	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	2	100.179	-0.0564	0	100.1226	2.9251	1.0749	4	0.0086	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	3	99.2575	-0.0126	0	99.2449	2.8777	1.1223	4	0.0065	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	4	99.4996	0	0	99.4996	2.8906	1.1094	4	0.0046	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	5	99.3384	-0.0067	0	99.3316	2.9401	1.0599	4	0.004	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	1	99.6201	-0.0371	0	99.5831	2.935	1.065	4	0.007	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	3	98.827	-0.0278	0	98.7992	2.8924	1.1076	4	0.0036	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	4	99.9346	-0.0295	0	99.9051	2.8357	1.1643	4	0.0071	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	1	100.1583	-0.0189	0	100.1393	2.8812	1.1188	4	0.0098	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	5	99.6436	0	0	99.6436	2.9358	1.0642	4	0.0058	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	1	100.4211	-0.0076	0	100.4135	2.8279	1.1721	4	0.0061	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	2	100.1041	0	0	100.1041	2.8448	1.1552	4	0.0077	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	3	100.2303	-0.0025	0	100.2278	2.843	1.157	4	0.0088	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	4	99.8472	0	0	99.8472	2.8636	1.1364	4	0.0077	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	5	99.2822	-0.0312	0	99.251	2.8125	1.1875	4	0.0043	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	6	99.2086	-0.0013	0	99.2073	2.8086	1.1914	4	0.0154	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	1	99.0878	-0.0055	0	99.0824	2.87	1.13	4	0.0055	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	2	99.3132	-0.0602	0	99.253	2.8587	1.1413	4	0.0126	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	5	99.0179	0	0	99.0179	2.7879	1.2121	4	0.0044	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	1	100.4066	0	0	100.4066	2.8148	1.1852	4	0.0042	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	2	100.342	-0.0362	0	100.3058	2.8473	1.1527	4	0.0078	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	3	100.2828	0	0	100.2828	2.8029	1.1971	4	0.007	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	4	100.4258	-0.0248	0	100.4009	2.845	1.155	4	0.0093	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	5	99.7294	0	0	99.7294	2.8408	1.1592	4	0.0072	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	1	99.31	0	0	99.31	2.8462	1.1538	4	0.006	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	2	98.2039	-0.0109	0	98.193	2.8553	1.1447	4	0.0093	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	5	98.7855	-0.0265	0	98.7589	2.8758	1.1242	4	0.0065	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	1	100.4034	-0.1082	0	100.2951	2.8463	1.1537	4	0.0017	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	2	100.8217	-0.0286	0	100.7931	2.9163	1.0837	4	0.0069	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	3	100.228	-0.0299	0	100.1981	2.8744	1.1256	4	0.0079	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	1	99.9151	-0.0535	0	99.8617	2.7818	1.2182	4	0.0032	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	2	99.5184	0	0	99.5184	2.7937	1.2063	4	0.0021	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	3	99.5216	-0.0349	0	99.4867	2.8021	1.1979	4	0.0023	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	4	100.0558	0	0	100.0558	2.7857	1.2143	4	0.0038	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	5	99.9271	-0.0295	0	99.8976	2.8773	1.1227	4	0.0037	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	6	99.2071	-0.0215	0	99.1856	2.7881	1.2119	4	0.0023	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	1	99.907	0	0	99.907	2.8029	1.1971	4	0.0022	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	2	99.6015	0	0	99.6015	2.7889	1.2111	4	0.0039	0	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Total#	O=F	O=Cl	Total	Si4+	Al3+	Total	Ti4+	Fe3+	Mn3+
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	3	99.4323	-0.0038	0	99.4285	2.7286	1.2714	4	0	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	4	99.6499	0	0	99.6499	2.7232	1.2768	4	0.0038	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	5	99.1825	-0.0164	0	99.166	2.7787	1.2213	4	0.0042	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	1	99.3122	0	0	99.3122	2.7465	1.2535	4	0.0079	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	2	99.9808	-0.0109	0	99.9699	2.7833	1.2167	4	0.0027	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	3	100.0775	-0.0181	0	100.0594	2.7483	1.2517	4	0.006	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	2	100.8362	0	0	100.8362	2.833	1.167	4	0.004	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	3	99.7622	0	0	99.7622	2.751	1.249	4	0.005	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	5	100.4021	0	0	100.4021	2.8786	1.1214	4	0.0026	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_chl	1	98.9363	0	0	98.9363	2.804	1.196	4	0.0015	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_chl	2	99.3866	-0.0291	0	99.3575	2.7936	1.2064	4	0.0002	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	1	98.3147	0	0	98.3147	2.7334	1.2666	4	0.0045	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	2	98.4945	0	0	98.4945	2.7061	1.2939	4	0.0063	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	3	98.7906	-0.0042	0	98.7864	2.837	1.163	4	0.0019	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_bt	3	101.7719	-0.0375	0	101.7344	2.7774	1.2226	4	0.0149	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_ch	2	99.445	-0.0371	0	99.4079	2.952	1.048	4	0.0018	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_ch	3	99.6566	0	0	99.6566	2.8237	1.1763	4	0.0035	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	1	101.3244	-0.0059	0	101.3185	2.8372	1.1628	4	0.0028	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	2	100.8123	-0.0063	0	100.8059	2.8611	1.1389	4	0.0036	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	3	100.1347	-0.0543	0	100.0804	2.9204	1.0796	4	0.0056	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	5	100.9572	-0.0143	0	100.9429	2.8623	1.1377	4	0.0007	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	6	98.916	0	0	98.916	2.7674	1.2326	4	0.0044	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_bt	3	101.3497	-0.0358	-0.0047	101.3092	2.7233	1.2767	4	0.0048	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_chl	1	99.1899	0	0	99.1899	2.81	1.19	4	0.0079	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_chl	2	99.5253	-0.0211	0	99.5042	2.8222	1.1778	4	0.01	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	2	99.5053	0	0	99.5053	2.8047	1.1953	4	0.0006	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	3	99.9906	-0.0227	0	99.9678	2.7656	1.2344	4	0.0009	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	4	99.922	-0.0522	0	99.8698	2.7784	1.2216	4	0.0038	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	5	100.0439	-0.0585	0	99.9854	2.856	1.144	4	0.0054	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	6	101.1546	0	0	101.1546	2.8057	1.1943	4	0.0034	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	7	99.0877	0	0	99.0877	2.8597	1.1403	4	0.0014	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_chl	1	101.2006	0	0	101.2006	2.8782	1.1218	4	0.1218	0.1826	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	1	99.431	0	0	99.431	2.7455	1.2545	4	0.001	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	2	99.3257	-0.0438	0	99.2819	2.7768	1.2232	4	0.0014	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	3	99.9277	0	0	99.9277	2.7924	1.2076	4	0.0045	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	4	99.4624	-0.0029	0	99.4594	2.7531	1.2469	4	0.0018	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	5	99.9203	-0.0712	0	99.8491	2.9104	1.0896	4	0.004	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_chl	1	98.7952	0	0	98.7952	2.812	1.188	4	0.0072	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_chl	3	99.5565	0	0	99.5565	2.8401	1.1599	4	0.0053	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	1	100.3825	-0.0236	0	100.3589	2.7548	1.2452	4	0.0024	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	2	100.1964	-0.0004	0	100.196	2.7864	1.2136	4	0.0002	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	3	99.6118	0	0	99.6118	2.798	1.202	4	0.0024	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	4	99.7464	0	0	99.7464	2.7988	1.2012	4	0.0041	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	5	98.9507	-0.0101	0	98.9406	2.8571	1.1429	4	0.0044	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	6	99.1067	0	0	99.1067	2.7418	1.2582	4	0.003	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	7	99.3233	0	0	99.3233	2.6931	1.3069	4	0.001	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	8	98.8867	-0.0164	0	98.8702	2.7436	1.2564	4	0.0042	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	9	99.2667	-0.0051	0	99.2617	2.7318	1.2682	4	0.0037	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	1	98.3504	0	0	98.3504	2.7712	1.2288	4	0.0061	0	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Total#	O=F	O=Cl	Total	Si4+	Al3+	Total	Ti4+	Fe3+	Mn3+
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	2	98.9908	0	0	98.9908	2.8422	1.1578	4	0.0067	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	3	98.8534	-0.0206	0	98.8328	2.8352	1.1648	4	0.0057	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	6	99.1385	-0.0556	0	99.0829	2.8592	1.1408	4	0.0075	0	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	7	98.5956	0	0	98.5956	2.7671	1.2329	4	0.0048	0	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_1_ChI	1	98.4128	0	0	98.4128	2.6944	1.3056	4	0.0035	0	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_2_ChI	1	99.3389	0	0	99.3389	2.7569	1.2431	4	0.0048	0	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	1	99.1414	0	0	99.1414	2.7024	1.2976	4	0.0028	0	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	2	99.0538	0	0	99.0538	2.7596	1.2404	4	0.0049	0	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	3	99.1357	0	0	99.1357	2.7493	1.2507	4	0.0028	0	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_ChI	1	98.6954	0	0	98.6954	2.7646	1.2354	4	0.0011	0	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_ChI	2	98.7626	0	0	98.7626	2.7636	1.2364	4	0.0056	0	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	1	101.0137	0	0	101.0137	2.9741	1.0259	4	0.0009	0	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	2	98.57	-0.0328	0	98.5371	2.7791	1.2209	4	0.0055	0	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	3	98.7985	0	0	98.7985	2.81	1.19	4	0.0068	0	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_6_ChI	1	98.9598	0	0	98.9598	2.7441	1.2559	4	0.0064	0	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_6_ChI	4	99.1424	-0.0135	0	99.1289	2.7461	1.2539	4	0.0023	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	1	99.8981	0	0	99.8981	2.7722	1.2278	4	0.0028	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	2	100.1375	-0.0051	0	100.1325	2.7275	1.2725	4	0.0043	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	3	99.6336	-0.0025	0	99.6311	2.7383	1.2617	4	0.0018	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	5	100.3921	-0.0215	0	100.3707	2.8031	1.1969	4	0.0053	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	1	100.9146	0	0	100.9146	2.7636	1.2364	4	0.0038	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	2	100.08	-0.0194	0	100.0607	2.7169	1.2831	4	0.0039	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	3	100.1115	0	-0.0027	100.1088	2.6976	1.3024	4	0.0018	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	1	99.037	-0.016	0	99.021	2.7352	1.2648	4	0.0024	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	2	99.8003	-0.0261	0	99.7742	2.7627	1.2373	4	0.0045	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	3	99.62	-0.0248	0	99.5952	2.8034	1.1966	4	0.0024	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	4	99.4223	0	0	99.4223	2.7987	1.2013	4	0.0058	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	5	98.5673	0	0	98.5673	2.738	1.262	4	0.0015	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	6	99.6593	-0.0253	0	99.634	2.7318	1.2682	4	0.0034	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	1	99.8158	0	0	99.8158	2.7721	1.2279	4	0.0016	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	2	98.9773	-0.083	0	98.8944	2.7611	1.2389	4	0.0018	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	3	98.6609	0	0	98.6609	2.7609	1.2391	4	0.0002	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	1	98.6905	0	0	98.6905	2.7647	1.2353	4	0.0049	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	2	99.0301	-0.0143	0	99.0157	2.7503	1.2497	4	0.0039	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	3	98.8285	0	0	98.8285	2.7784	1.2216	4	0.0028	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	4	98.9265	0	0	98.9265	2.7572	1.2428	4	0.0045	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	5	99.2534	-0.0392	0	99.2143	2.7326	1.2674	4	0.0028	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_chI	1	99.431	0	0	99.431	2.7571	1.2429	4	0.0032	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_chI	2	99.2597	-0.0131	0	99.2466	2.7824	1.2176	4	0.0036	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	1	99.4196	0	0	99.4196	2.7426	1.2574	4	0.0048	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	2	99.3887	0	0	99.3887	2.7573	1.2427	4	0.005	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	3	99.1825	0	0	99.1825	2.7352	1.2648	4	0.0022	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	4	99.5083	-0.0425	0	99.4658	2.7219	1.2781	4	0.0053	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	1	99.6206	0	0	99.6206	2.7298	1.2702	4	0.003	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	2	100.0954	-0.0227	0	100.0727	2.743	1.257	4	0.0019	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	3	99.2041	-0.0051	0	99.1991	2.7263	1.2737	4	0.0021	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	1	99.389	0	0	99.389	2.7157	1.2843	4	0.0057	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	2	98.774	0	0	98.774	2.754	1.246	4	0.0058	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	3	98.9407	-0.0282	0	98.9125	2.7445	1.2555	4	0.0049	0	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Total#	O=F	O=Cl	Total	Si4+	Al3+	Total	Ti4+	Fe3+	Mn3+
MOSTMEG	<i>P#4</i>	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chl	4	99.2464	0	0	99.2464	2.7539	1.2461	4	0.0029	0	0
MOSTMEG	<i>P#4</i>	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chl	5	99.0256	-0.0013	0	99.0243	2.7435	1.2565	4	0.0048	0	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Cr3+	Al3+	Ba2+	Zn2+	Ni2+	Fe2+	Mn2+	Ca2+	Mg2+	Cs+
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_1_ChI	1	0.0088	1.3842	0.0008	0.0016	0.0055	2.7078	0.0131	0.0047	1.7822	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_ChI	1	0.0082	1.2608	0.0031	0.0039	0	2.669	0.0093	0.0013	2.0021	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_ChI	3	0.0043	1.3169	0	0.0043	0.0057	2.3222	0.011	0.0024	2.2583	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_ChI	1	0.0065	1.3301	0.0021	0.0076	0.0019	2.4936	0.0102	0.0068	2.0315	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_ChI	2	0.0062	1.3191	0.0018	0	0	2.5264	0.008	0.0058	2.0377	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_5_ChI	1	0.0098	1.3689	0.0017	0.0083	0.0056	2.606	0.0161	0.0133	1.8641	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_7_ChI	1	0.0073	1.3023	0.0028	0.0056	0.0005	2.5872	0.0131	0.0093	1.9763	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	1	0.0069	1.4576	0.0022	0	0.0025	2.6264	0.0111	0.0193	1.7106	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	2	0.0063	1.3822	0	0	0.0059	2.6691	0.013	0.0185	1.8295	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	4	0.0082	1.3039	0.001	0.0073	0	2.7178	0.0182	0.0014	1.8881	0.0001
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	5	0.0086	1.3763	0.0031	0.01	0.0074	2.6789	0.0139	0.0005	1.8061	0.0005
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_chI	2	0.0034	1.3214	0.0002	0.0019	0	2.5847	0.0183	0.0075	1.9611	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_chI	3	0.0043	1.3433	0.0003	0	0	2.6284	0.0184	0.0048	1.8942	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_chI	4	0.0085	1.3197	0.0018	0.0098	0.0022	2.684	0.0123	0.0006	1.8978	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_chI	5	0.0107	1.4353	0.0021	0.0005	0.0008	2.618	0.0135	0.0013	1.8483	0.0015
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	1	0.0063	1.3633	0.0017	0.0145	0.0059	2.6548	0.0132	0.0076	1.8595	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	2	0.0043	1.3432	0.0017	0.001	0	2.6867	0.0147	0.0006	1.9144	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	3	0.0054	1.33	0.0017	0.0062	0.0002	2.6849	0.0144	0.0029	1.9181	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	1	0.0096	1.3756	0.0016	0	0.0025	2.7103	0.0097	0.0068	1.8212	0.0005
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	3	0.0063	1.287	0.002	0.0081	0.0087	2.6393	0.0175	0.0064	1.9864	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	4	0.0078	1.2643	0.001	0	0	2.6545	0.0175	0.0054	2.0088	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	1	0.0074	1.3998	0	0.0092	0	2.6535	0.0149	0.0039	1.8428	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	2	0.0067	1.3788	0.0014	0.0106	0.0039	2.6501	0.0153	0.0017	1.8761	0.0002
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	3	0.0035	1.3347	0	0.0092	0.0034	2.4464	0.0117	0.0137	2.004	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	4	0.0088	1.3815	0	0.0027	0.0012	2.6674	0.0087	0.0031	1.8638	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	5	0.0073	1.3582	0	0.0045	0.0025	2.6887	0.0144	0.0029	1.8754	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	1	0.0082	1.3279	0.0033	0.0017	0.0017	2.572	0.0152	0.0079	1.955	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	2	0.0074	1.3805	0.0017	0	0	2.7192	0.0158	0.0099	1.7719	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	3	0.0078	1.3783	0	0.0082	0	2.7195	0.0163	0.0044	1.793	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	4	0.0052	1.3705	0.0006	0.0022	0	2.612	0.0152	0.0015	1.9061	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_1_chI	1	0.0046	0.8507	0	0.0064	0.0048	0.079	0.0127	0.0136	1.9664	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_1_chI	3	0.0066	1.3545	0.0011	0.0117	0.0038	2.542	0.0195	0	1.9625	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_2_chI	2	0.0083	1.4315	0.0016	0.0039	0.0019	2.0256	0.0174	0.0163	1.9039	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_3_chI	1	0.0087	1.4643	0.0013	0	0.002	2.3575	0.0156	0.0021	1.8973	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_3_chI	4	0.0051	1.3119	0.0011	0.0013	0.0005	0.8269	0.0145	0.0158	1.7435	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_4_chI	1	0.0055	1.3516	0.0031	0.0035	0	0.8684	0.0189	0.0099	1.7524	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	1	0.0071	1.4745	0	0.0077	0.0003	2.3286	0.0181	0.0174	1.9451	0.0001
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	2	0.0064	1.4294	0	0.0039	0.0024	2.3688	0.0166	0.0132	1.9943	0.0014
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	3	0.0055	1.4485	0.0015	0.0056	0.0038	2.3275	0.0195	0.0169	1.9851	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_7_chI	1	0.0065	1.4644	0	0.0069	0.0088	2.2978	0.0124	0.0183	1.9605	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_7_chI	2	0.0058	1.4993	0.0023	0.0028	0.0007	2.1799	0.0148	0.0209	1.9301	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	1	0.005	1.2845	0	0.017	0.0002	2.5317	0.0147	0	2.0935	0.002
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	2	0.0076	1.2872	0.0007	0.0047	0.0002	2.532	0.0217	0.0006	2.0817	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	4	0.0042	1.3065	0	0.0056	0	2.5387	0.0189	0.0034	2.0754	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	5	0.0081	1.3076	0	0.0162	0.0019	2.5555	0.0192	0.0013	2.0507	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	1	0.0063	1.2546	0	0.0008	0	2.5497	0.0172	0	2.1434	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	2	0.0058	1.2659	0	0.0103	0.0034	2.5349	0.0266	0.003	2.1188	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	3	0.0113	1.2734	0.0001	0.017	0.0012	2.2566	0.0146	0.0044	2.2994	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	1	0.0066	1.31	0.0017	0.0103	0.0025	2.602	0.0206	0	2.0337	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Cr3+	Al3+	Ba2+	Zn2+	Ni2+	Fe2+	Mn2+	Ca2+	Mg2+	Cs+
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	2	0.0087	1.3208	0.0015	0	0.0068	2.5976	0.0169	0	2.0186	0.0001
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	3	0.0046	1.3173	0	0.0124	0.006	2.6399	0.0159	0.0017	1.976	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChIII	1	0.0057	1.3355	0.001	0.0006	0.0037	2.5632	0.0158	0.0018	2.04	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChIII	2	0.0098	1.3306	0	0.0094	0.0089	2.5495	0.0144	0	2.0414	0.0014
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	1	0.0058	1.3286	0	0.0068	0.0072	2.6378	0.0213	0.003	1.9536	0.0003
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	2	0.0062	1.3177	0	0.0084	0	2.6486	0.0255	0.0034	1.9675	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	3	0.0082	1.3215	0	0.0022	0.002	2.5617	0.0183	0.0003	2.0665	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChIII	1	0.0065	1.4741	0.0012	0.0059	0	2.4505	0.0198	0.0019	1.8675	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChIII	2	0.0053	1.4622	0.002	0.007	0.0043	2.4591	0.0221	0	1.8652	0.0021
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_ChII	1	0.0075	1.2721	0.0008	0.0035	0.0042	2.5806	0.0187	0	2.0715	0.0007
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_ChII	2	0.0071	1.2836	0.001	0.0025	0	2.5659	0.0178	0.0009	2.0671	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_ChI	1	0.0059	1.3342	0.002	0.0032	0	2.6183	0.019	0.0008	1.9828	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_ChI	2	0.0103	1.3249	0.0009	0.0019	0	2.6171	0.0199	0.0012	2.0026	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_ChI	1	0.0086	1.3186	0.0002	0.0006	0	2.6416	0.0175	0.0053	1.9904	0.0003
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_ChI	2	0.0064	1.2302	0	0.0118	0.0073	2.5246	0.0203	0.0016	2.1638	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	1	0.0099	1.4103	0	0.0142	0.0065	2.6308	0.0111	0.0274	1.7415	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	2	0.0068	1.4388	0.0009	0.0156	0.0038	2.6335	0.0146	0.0402	1.6838	0.0007
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	3	0.0051	1.3957	0.0002	0.0052	0.0023	2.7787	0.0097	0.0097	1.716	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	4	0.004	1.3761	0.0005	0.0136	0.0071	2.7978	0.0079	0.0094	1.7297	0.0007
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	5	0.0078	1.3903	0	0.0118	0.0015	2.7608	0.0087	0.0187	1.7306	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	1	0.0062	1.4055	0	0.0076	0.0039	2.7384	0.0102	0.0298	1.6856	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	2	0.0083	1.3835	0.0001	0.016	0.0073	2.7772	0.0121	0.0043	1.733	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	3	0.007	1.399	0.0005	0.0009	0.0026	2.7115	0.0155	0.0308	1.733	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	4	0.0048	1.381	0.0021	0.0103	0.0005	2.6452	0.0106	0.0024	1.8527	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	5	0.0047	1.3183	0.0007	0.0089	0.0054	2.8901	0.0151	0.0095	1.7131	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_ChI	1	0.0053	1.3922	0.0013	0.0112	0.0032	2.7564	0.0116	0.0333	1.6708	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_ChI	2	0.0074	1.3836	0.0002	0.0053	0.0015	2.5345	0.0141	0.0259	1.9267	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_4_ChI	1	0.0074	1.3961	0.0018	0.0129	0.0041	2.6979	0.0139	0.0242	1.7519	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_4_ChI	3	0.0093	1.4042	0	0.0037	0.001	2.6849	0.0086	0.0231	1.7439	0.0004
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_ChI	1	0.0059	1.4154	0.0008	0.0053	0.0018	2.7609	0.0119	0.0294	1.6622	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_ChI	3	0.0055	1.4465	0.001	0.0012	0.0012	2.6391	0.0064	0.0284	1.7422	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_6_ChI	1	0.0072	1.4233	0	0	0.001	2.7265	0.012	0.0215	1.7133	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_1_ChI	3	0.0063	1.2297	0.0012	0.0028	0	2.6474	0.0226	0.0036	1.834	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	1	0.008	1.3161	0.0012	0	0.0049	2.7552	0.0269	0.0058	1.8651	0.0003
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	2	0.0031	1.3312	0	0.0033	0.003	2.7574	0.02	0.0081	1.8553	0.0005
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	3	0.0065	1.3609	0	0.0002	0.0042	2.6149	0.0218	0.0063	1.9214	0.0004
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	1	0.009	1.3464	0.0013	0.0068	0.0068	2.6429	0.0239	0.0064	1.9135	0.0002
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	2	0.0052	1.3551	0.0021	0.0044	0.0088	2.6502	0.0233	0.0089	1.8883	0.0014
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	3	0.0059	1.3606	0	0.0063	0.0054	2.6642	0.0277	0.0036	1.8668	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChIII	4	0.008	1.3298	0	0.0075	0.0039	2.6704	0.0217	0.0039	1.9233	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	1	0.0056	1.3485	0.0003	0.0103	0.0091	2.6026	0.0239	0.0092	1.9241	0.0008
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	2	0.0071	1.3344	0.0002	0.0142	0.0046	2.6044	0.0224	0.0066	1.9478	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	3	0.0105	1.3475	0.0013	0.0018	0.0085	2.71	0.0227	0.0067	1.845	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	4	0.0099	1.3704	0.0011	0.0064	0	2.686	0.0241	0.0028	1.8227	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_ChI	1	0.0081	1.3658	0	0.0057	0	2.7117	0.0199	0.001	1.8658	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_ChI	2	0.0101	1.352	0.0011	0	0.0041	2.7188	0.0187	0.0022	1.8678	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_ChI	1	0.0072	1.3421	0.001	0.0051	0.0051	2.6854	0.0271	0.0075	1.8757	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_ChI	2	0.0061	1.377	0.0007	0.0034	0.0068	2.6833	0.0197	0.0009	1.8385	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	1	0.0067	1.334	0.001	0.0008	0.0079	2.6462	0.0218	0.0034	1.9351	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Cr3+	Al3+	Ba2+	Zn2+	Ni2+	Fe2+	Mn2+	Ca2+	Mg2+	Cs+
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	2	0.0085	1.3308	0	0.0009	0	2.6451	0.0222	0.0015	1.9471	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	3	0.0071	1.3434	0.0017	0.0019	0.0004	2.6944	0.0215	0.0039	1.8857	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_ChI	1	0.0049	1.3488	0.0015	0.0085	0.0002	2.6953	0.02	0.0074	1.8778	0.0006
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_ChI	2	0.0076	1.3452	0.0007	0.0024	0.0012	2.6925	0.0195	0.008	1.8862	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_9_ChI	1	0.0083	1.3513	0.0018	0.0086	0.0053	2.6794	0.0237	0.0038	1.8808	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_9_ChI	2	0.0072	1.3464	0.0013	0.0109	0.0003	2.6755	0.0284	0.0037	1.8839	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	1	0.0037	1.3051	0.0008	0.003	0.0033	2.5926	0.0314	0	2.0166	0.0002
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	2	0.0063	1.3352	0.0001	0.0046	0.0024	2.7291	0.0359	0.0035	1.8198	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	3	0.0081	1.331	0.0007	0.002	0	2.42	0.0236	0.0014	2.1642	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	4	0.0056	1.3475	0.0009	0.0009	0.0027	2.3926	0.0283	0	2.1235	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	5	0.0066	1.3125	0.0005	0.0042	0	2.6462	0.0312	0.0101	1.9214	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	6	0.008	1.3271	0.0009	0.0016	0.0034	2.372	0.0223	0.0003	2.2194	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	1	0.0114	1.3316	0	0.0073	0.0022	2.4228	0.0195	0.0019	2.187	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	2	0.0092	1.3417	0.0001	0.0092	0.0049	2.3966	0.0294	0.0015	2.1957	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	3	0.0107	1.3593	0	0.0071	0.0044	2.3253	0.0267	0	2.2496	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	4	0.0111	1.3545	0.0006	0.0013	0.0017	2.3134	0.0216	0	2.2632	0.0007
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	6	0.0078	1.3487	0.001	0.0017	0.0056	2.3227	0.0267	0.0047	2.2475	0.0006
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	1	0.0089	1.3671	0	0.0074	0.0038	2.3289	0.0264	0.0018	2.219	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	2	0.013	1.365	0.0016	0.003	0.0033	2.3385	0.0281	0.003	2.2053	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	3	0.009	1.3592	0.0015	0.0066	0.0075	2.2835	0.027	0.0002	2.2555	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	4	0.0145	1.3542	0	0.0045	0	2.361	0.0287	0.0039	2.1873	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	5	0.0061	1.374	0.0012	0	0	2.2673	0.0282	0.0029	2.2727	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	1	0.0032	1.3941	0.0024	0.0048	0.0063	2.32	0.0248	0.0066	2.1903	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	2	0.0043	1.3467	0.0003	0.0023	0.0036	2.3481	0.028	0.0033	2.2349	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	3	0.006	1.3474	0.0019	0.0068	0.0037	2.3425	0.0293	0.0016	2.2351	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	5	0.0078	1.3605	0.001	0.0055	0.0036	2.3136	0.0285	0.0016	2.2552	0.0006
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	1	0.0088	1.3576	0.0023	0.0054	0	2.3849	0.026	0.0023	2.1849	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	2	0.0115	1.3451	0.0019	0	0.0025	2.3582	0.0291	0.0044	2.2189	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	3	0.0078	1.348	0	0.0017	0.0015	2.3915	0.0271	0.0054	2.1937	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	4	0.0086	1.3218	0.0007	0.0062	0.0068	2.4134	0.0318	0	2.1912	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	5	0.0081	1.3527	0.0007	0.0081	0	2.4481	0.0187	0	2.1555	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	6	0.0086	1.3347	0	0.0065	0.0117	2.4012	0.0244	0.0005	2.2117	0.0001
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	7	0.0078	1.3522	0.0003	0.0082	0	2.4641	0.0264	0.0007	2.1257	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	8	0.0091	1.3043	0.0017	0.0059	0.0042	2.504	0.0311	0.0008	2.154	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	1	0.0017	1.3509	0.0012	0.0035	0.0017	2.7221	0.0328	0.0048	1.7891	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	2	0.0062	1.2944	0.0022	0.0014	0.0043	2.6596	0.029	0.0107	1.8864	0.0019
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	3	0.0058	1.313	0.0015	0.0028	0	2.5766	0.0255	0.0092	1.9809	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	4	0.0039	1.3382	0.0008	0	0.0027	2.5639	0.026	0.0069	1.9784	0.0008
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	6	0.0034	1.3396	0.0004	0.0045	0	2.9451	0.0233	0.0065	1.5347	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	10	0.0048	1.3438	0	0	0.0003	2.997	0.0209	0.009	1.4767	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	1	0.0087	1.3893	0	0	0.0044	2.4389	0.0207	0.0006	2.0707	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	2	0.0122	1.3589	0.0006	0.0073	0.002	2.4414	0.0289	0.0014	2.0842	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	3	0.0099	1.3861	0.0022	0.007	0.0025	2.4243	0.0262	0.0006	2.083	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	4	0.0103	1.3856	0	0.0009	0.0051	2.4446	0.0254	0.0003	2.0585	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	5	0.0074	1.3653	0.0034	0	0.0039	2.4522	0.0268	0	2.0855	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	1	0.009	1.3397	0.0018	0.0091	0.0019	2.3116	0.0244	0.0032	2.2915	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	2	0.0093	1.3427	0	0.0036	0.0005	2.3101	0.0256	0.0027	2.2728	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	3	0.0061	1.327	0.0002	0.0019	0.0033	2.3301	0.0289	0	2.2925	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	4	0.0085	1.3671	0	0.0071	0	2.3071	0.0215	0.0068	2.2446	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Cr3+	Al3+	Ba2+	Zn2+	Ni2+	Fe2+	Mn2+	Ca2+	Mg2+	Cs+
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chl	5	0.0176	1.3494	0.0022	0.0066	0	2.3182	0.0266	0.001	2.2461	0.0008
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chl	6	0.0042	1.3455	0.0017	0.002	0.0003	2.3728	0.0254	0.0024	2.2332	0.0004
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	1	0.0055	1.3841	0.0008	0	0	2.7853	0.039	0	1.7037	0.0008
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	2	0.0056	1.3431	0.0017	0	0.0066	2.7575	0.0367	0.0062	1.7695	0.0017
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	3	0.0098	1.4074	0.0007	0.0033	0.0022	2.3133	0.0262	0.0072	2.1793	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	4	0.0128	1.382	0.0004	0.0108	0.0004	2.3317	0.0233	0.0045	2.1977	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	5	0.0055	1.3351	0	0	0.0028	2.6871	0.0348	0.0006	1.8645	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_ChI	1	0.0049	1.3442	0.002	0.0078	0	2.4319	0.0218	0.0018	2.15	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_ChI	1	0.0061	1.2556	0	0.0077	0.0004	2.4033	0.0194	0	2.2718	0.0004
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_ChI	2	0.0086	1.2609	0	0.0142	0	2.3954	0.0229	0	2.243	0.0008
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_ChI	1	0.0071	1.3229	0.0032	0.0097	0	2.446	0.0196	0.0034	2.1121	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	1	0.0088	1.2793	0.0008	0.0029	0.0003	2.2702	0.0893	0.0032	2.2751	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	2	0.0076	1.3117	0	0.0077	0.0042	2.1667	0.0794	0.0025	2.2619	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	3	0.0062	1.4166	0.0007	0	0.0037	2.1273	0.0825	0.0035	2.1665	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	4	0.006	1.3175	0.0018	0	0.0007	2.1631	0.0822	0.0008	2.3084	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	5	0.0115	1.3114	0.0007	0.0064	0	2.2039	0.0909	0.0025	2.2253	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	1	0.0076	1.4154	0.0031	0	0	2.063	0.0871	0.0041	2.1967	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	3	0.0052	1.2269	0.0033	0.0111	0	2.3793	0.0884	0.004	2.1856	0.0008
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	4	0.0017	1.2913	0.0001	0.0056	0.0022	2.2028	0.0919	0.0036	2.3146	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	1	0.0071	1.307	0.0017	0	0.0013	2.1216	0.0816	0.0014	2.3394	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	5	0.0084	1.3609	0.0013	0.0081	0.0017	2.1189	0.0728	0.0032	2.251	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	1	0.0093	1.263	0.0015	0.0177	0.0088	2.2292	0.1039	0.0012	2.3003	0.001
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	2	0.0104	1.2556	0.001	0.0008	0.0025	2.2222	0.1126	0.0018	2.3197	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	3	0.0069	1.2337	0	0.0123	0.0034	2.2174	0.1055	0.0016	2.3571	0.0006
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	4	0.0078	1.2611	0	0.0029	0.0037	2.2098	0.1021	0.0017	2.3197	0.0001
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	5	0.0058	1.2949	0.0021	0.0055	0.0043	2.2032	0.1085	0.0008	2.306	0.0003
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	6	0.0086	1.3095	0.0025	0.0068	0.0012	2.2276	0.1063	0	2.2392	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	1	0.0073	1.3495	0	0.0147	0.002	2.1158	0.0827	0.0165	2.265	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	2	0.0086	1.2819	0.0008	0.0147	0.0022	2.1817	0.0875	0.0045	2.2992	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	5	0.0064	1.2622	0	0.0048	0.0023	2.2256	0.0892	0.0027	2.3665	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	1	0.0064	1.3364	0.0004	0.0018	0.0028	2.2454	0.0931	0.003	2.2168	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	2	0.007	1.3553	0.0011	0.005	0.004	2.2244	0.0845	0.003	2.1889	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	3	0.0085	1.3022	0.0004	0.0022	0.0065	2.2534	0.0882	0.0016	2.2629	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	4	0.01	1.3646	0.0027	0.0009	0.0052	2.2071	0.0877	0.0059	2.1825	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	5	0.0084	1.3842	0.0005	0.0023	0.0043	2.1813	0.088	0.0044	2.1939	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	1	0.0088	1.2644	0	0.008	0.0031	2.2968	0.0886	0.0025	2.2514	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	2	0.0101	1.2557	0.0002	0.0064	0	2.2703	0.0968	0.0005	2.2761	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	5	0.009	1.2852	0.0021	0	0	2.221	0.0903	0.0027	2.2878	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	1	0.0056	1.2441	0	0.0037	0	2.2938	0.1055	0.0033	2.2869	0.0003
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	2	0.0099	1.2596	0	0.0057	0	2.25	0.1032	0.0031	2.26	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	3	0.0069	1.2522	0	0.0019	0	2.2532	0.0997	0.0007	2.2901	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	1	0.0053	1.374	0.0018	0.0094	0	2.6369	0.0127	0.0026	1.8664	0.0031
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	2	0.0048	1.2869	0.0023	0.0059	0	2.5866	0.0079	0.001	2.053	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	3	0.0086	1.3233	0	0.0118	0.0064	2.6593	0.0147	0.0014	1.8953	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	4	0.0062	1.3054	0.0025	0.0129	0.0015	2.5873	0.0137	0.0001	2.007	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	5	0.0068	1.341	0.002	0.0084	0.0002	2.5465	0.0139	0.0041	1.9476	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	6	0.0076	1.3841	0.0018	0.0024	0.0023	2.6153	0.0144	0.0039	1.8602	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	1	0.0074	1.2933	0.0007	0.0069	0.0017	2.5604	0.0168	0.004	2.0389	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	2	0.0099	1.3192	0	0.0024	0.0031	2.5928	0.0131	0.003	1.9808	0.0004

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Cr3+	Al3+	Ba2+	Zn2+	Ni2+	Fe2+	Mn2+	Ca2+	Mg2+	Cs+
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	3	0.0056	1.3674	0.0011	0.0016	0.0068	2.7298	0.018	0	1.8132	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	4	0.0081	1.3637	0.0008	0.0079	0.0033	2.7214	0.0174	0.0017	1.8179	0.0011
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	5	0.0116	1.2706	0.0005	0.0102	0	2.6619	0.0155	0.0036	1.9822	0.0012
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	1	0.0077	1.3075	0.0019	0.0095	0.0005	2.689	0.0094	0.0028	1.9165	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	2	0.0091	1.2878	0.0031	0.0114	0.0076	2.6596	0.0122	0.0074	1.9376	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	3	0.0077	1.3389	0.0011	0.0023	0.0017	2.6362	0.0124	0.0006	1.9365	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	2	0.0068	1.3228	0	0.0088	0.0053	2.5458	0.0105	0.0036	1.9924	0.0002
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	3	0.0072	1.3567	0	0.0069	0.0002	2.6162	0.0106	0.0045	1.9141	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	5	0.0082	1.4145	0	0.0008	0.0031	2.576	0.0146	0.0026	1.817	0.001
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_chl	1	0.0054	1.2912	0.0012	0.009	0	2.6472	0.0168	0.003	1.9705	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_chl	2	0.0068	1.2836	0.0001	0.0131	0.0035	2.6543	0.0124	0.003	1.9771	0.0002
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	1	0.0091	1.3398	0	0.001	0	2.7398	0.0127	0.0019	1.8413	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	2	0.0073	1.2937	0	0	0.0072	2.75	0.0158	0	1.9093	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	3	0.0035	1.236	0	0.006	0.0024	2.6118	0.0138	0.0048	2.0779	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_bt	3	0.0229	1.3771	0.0017	0	0.0022	2.4338	0.0136	0.0094	2.0024	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_ch	2	0.0054	1.3215	0.0019	0	0.0064	2.3684	0.0111	0.0249	2.1047	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_ch	3	0.0066	1.3968	0.0008	0.0005	0.0036	2.4523	0.0159	0.0057	1.9883	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	1	0.0053	1.2769	0.0001	0.0042	0.0026	2.4383	0.0173	0.0059	2.1789	0.0002
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	2	0.0062	1.3316	0.0033	0	0.001	2.5434	0.0153	0.0102	1.9656	0.0007
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	3	0.009	1.2831	0.0016	0.0046	0	2.4885	0.0114	0.0133	2.0522	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	5	0.0031	1.267	0.0018	0.0076	0.0041	2.3994	0.0131	0.0135	2.2174	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	6	0.0049	1.3423	0.0045	0.0082	0	2.5142	0.0135	0.004	2.0395	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_bt	3	0.0096	1.4322	0.0023	0	0.007	2.3667	0.0111	0.0073	2.0663	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_chl	1	0.0064	1.3668	0.0031	0	0.0007	2.4926	0.0158	0.0078	1.9797	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_chl	2	0.009	1.3987	0.0001	0.0072	0.0051	2.5457	0.0126	0.0111	1.8498	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	2	0.0016	1.279	0.0008	0.0023	0.006	2.5075	0.0142	0.0049	2.1335	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	3	0.0051	1.3473	0	0.0021	0.0054	2.4961	0.0174	0.0073	2.051	0.0009
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	4	0.0059	1.3339	0.0007	0.0031	0.0044	2.5725	0.0127	0.0087	1.971	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	5	0.0085	1.3589	0.0005	0	0.0008	2.4984	0.0191	0.0063	1.9784	0.0009
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	6	0.0056	1.4556	0.0016	0.0078	0.0072	2.4254	0.015	0.0019	1.908	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	7	0.0048	1.3455	0	0.005	0.003	2.4824	0.0146	0.0088	2.0086	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_chl	1	0.0158	1.2292	0.002	0.0062	0	2.1048	0.0136	0.0148	2.0167	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	1	0.0048	1.332	0.0013	0	0	2.488	0.009	0.0064	2.1136	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	2	0.0057	1.3036	0.0014	0.004	0	2.4407	0.0117	0.0003	2.1849	0.0013
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	3	0.0028	1.3277	0	0	0.0026	2.493	0.0184	0.0042	2.0752	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	4	0.0058	1.3398	0	0.0048	0.0024	2.542	0.0144	0.007	2.026	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	5	0.0033	1.2764	0	0.0032	0.0026	2.4035	0.0142	0.0105	2.1776	0.0002
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_chl	1	0.0043	1.301	0.0001	0.0078	0.0004	2.5102	0.0157	0.0098	2.0621	0.0012
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_chl	3	0.0049	1.3616	0.0011	0.0021	0	2.4615	0.017	0.0111	2.0191	0.0003
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	1	0.0048	1.3248	0.0023	0.009	0.0051	2.5317	0.0148	0.0042	2.0532	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	2	0.0034	1.3297	0	0.0102	0.001	2.4884	0.0147	0.0085	2.0783	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	3	0.0049	1.2897	0.0022	0.0054	0	2.5077	0.0198	0.0038	2.1093	0.0003
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	4	0.0069	1.3385	0.0022	0.0045	0	2.5221	0.0122	0.0093	2.0209	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	5	0.0054	1.3304	0.0019	0.0017	0.0005	2.4819	0.014	0.0103	2.0406	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	6	0.0045	1.2895	0.0005	0.0066	0.0012	2.5516	0.0194	0.0051	2.0871	0.0012
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	7	0.0026	1.2791	0.0029	0	0	2.651	0.0196	0.0091	2.0402	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	8	0.0058	1.3053	0.0016	0.0171	0	2.499	0.0164	0.0065	2.11	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	9	0.0073	1.306	0	0	0.0017	2.5258	0.0174	0.0037	2.1018	0.0015
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	1	0.0057	1.3154	0.0003	0	0.0007	2.4923	0.0155	0.0109	2.0978	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Cr3+	Al3+	Ba2+	Zn2+	Ni2+	Fe2+	Mn2+	Ca2+	Mg2+	Cs+
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	2	0.0064	1.3186	0.0011	0.0042	0	2.3953	0.0162	0.0124	2.1432	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	3	0.0049	1.3407	0.0013	0	0.0057	2.4827	0.0124	0.0071	2.0391	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	6	0.0079	1.3391	0	0.0121	0	2.5658	0.0145	0.0124	1.9173	0
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	7	0.0063	1.3625	0.0002	0	0	2.4998	0.0139	0.0099	2.0239	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_1_ChI	1	0.0085	1.3076	0.0005	0.0035	0.0047	2.7208	0.0119	0.0007	1.9261	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_2_ChI	1	0.0092	1.3197	0.0004	0.0024	0.0039	2.7751	0.0154	0.0079	1.8095	0.0001
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	1	0.0085	1.3276	0.0008	0.0085	0	2.7555	0.0161	0	1.8536	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	2	0.0083	1.323	0	0	0.0024	2.7199	0.0156	0.002	1.8695	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	3	0.0074	1.3119	0.0008	0.0018	0	2.7491	0.0134	0.0012	1.8717	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_ChI	1	0.0076	1.3581	0.0023	0	0	2.8976	0.013	0	1.6517	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_ChI	2	0.0055	1.3523	0	0.0018	0.0047	2.7762	0.0129	0.0031	1.7496	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	1	0.0069	1.3823	0	0.0078	0.0074	2.5552	0.0133	0.0022	1.8391	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	2	0.0036	1.3392	0.0018	0.0107	0.0046	2.6565	0.0102	0	1.8996	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	3	0.0089	1.2808	0.0042	0.001	0.0056	2.719	0.0144	0.0026	1.8977	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_6_ChI	1	0.0055	1.3307	0	0.0122	0	2.79	0.0155	0.0003	1.7879	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_6_ChI	4	0.0079	1.3016	0.0002	0.0096	0.0042	2.7769	0.0139	0.0052	1.8424	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	1	0.0087	1.2718	0	0	0	2.6988	0.0146	0.0041	1.9683	0.0012
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	2	0.0082	1.2665	0.0007	0.006	0	2.7351	0.015	0.0037	1.9525	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	3	0.0065	1.2861	0	0.0101	0	2.6511	0.0166	0.0033	2.0061	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	5	0.009	1.2705	0.0005	0.0047	0	2.5857	0.0165	0.0008	2.0528	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	1	0.0062	1.4403	0	0	0.0052	2.5434	0.0123	0.0038	1.8733	0.0001
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	2	0.0067	1.4308	0	0	0.0031	2.5363	0.0191	0.0052	1.9128	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	3	0.0072	1.4048	0.0012	0	0	2.5864	0.016	0.0056	1.9189	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	1	0.0069	1.2676	0	0.0059	0	2.6576	0.0168	0.0027	2.0293	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	2	0.0058	1.2921	0.0028	0.0047	0.0033	2.6812	0.0153	0.0028	1.9372	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	3	0.0093	1.248	0.0024	0.0095	0.0015	2.6169	0.0157	0.0025	2.048	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	4	0.0072	1.2185	0.0021	0.0101	0	2.6216	0.0178	0.0031	2.0919	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	5	0.0074	1.2791	0	0.0072	0	2.683	0.0208	0.0051	1.98	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	6	0.0077	1.2859	0	0	0.005	2.7162	0.0216	0.0032	1.9391	0.0009
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	1	0.0042	1.2678	0	0.0112	0	2.6741	0.0214	0.0016	1.9914	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	2	0.009	1.2629	0	0.0108	0.0049	2.6552	0.0169	0.0014	2.0115	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	3	0.0091	1.3065	0.0023	0.0058	0.0037	2.6675	0.0179	0.0051	1.9374	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	1	0.0057	1.3204	0	0	0	2.6351	0.0183	0	1.9494	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	2	0.0101	1.3012	0.0006	0.0075	0.0037	2.6991	0.0167	0.0009	1.9131	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	3	0.0088	1.2939	0.0014	0.0084	0.003	2.6396	0.0151	0.002	1.9706	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	4	0.0063	1.2875	0.0024	0	0	2.6482	0.0174	0.0018	1.9904	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	5	0.0083	1.3097	0	0.0149	0	2.6597	0.0151	0.0024	1.9442	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_chI	1	0.0039	1.2949	0.0024	0.0033	0.0042	2.6749	0.0164	0.0009	1.9601	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_chI	2	0.0067	1.2993	0.0019	0.0035	0	2.6479	0.0155	0.0014	1.9671	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	1	0.0078	1.2875	0.0007	0.0025	0	2.6673	0.0143	0.0024	1.9817	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	2	0.0044	1.2585	0.0005	0.0051	0	2.7078	0.0169	0.0045	1.976	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	3	0.0076	1.2707	0.0004	0.0024	0.0072	2.688	0.0192	0.0067	1.9775	0.0006
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	4	0.0064	1.274	0	0.0059	0	2.7283	0.0182	0.0039	1.9403	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	1	0.0032	1.2671	0.0008	0.0083	0	2.7485	0.0207	0.0068	1.9375	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	2	0.0072	1.277	0.0021	0.0169	0	2.7041	0.0136	0.0045	1.9567	0.0005
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	3	0.0073	1.2957	0	0.0056	0	2.6886	0.0154	0.0021	1.9653	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	1	0.0058	1.2897	0.0008	0.0021	0.0053	2.6281	0.0165	0.001	2.0326	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	2	0.008	1.2981	0.0001	0	0.0028	2.7157	0.0144	0.0042	1.9141	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	3	0.0035	1.3098	0	0.0075	0	2.6607	0.0194	0.0002	1.9575	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Cr3+	Al3+	Ba2+	Zn2+	Ni2+	Fe2+	Mn2+	Ca2+	Mg2+	Cs+
MOSTMEG	<i>P#4</i>	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chl	4	0.0035	1.3069	0.0003	0.0095	0	2.6985	0.02	0	1.921	0
MOSTMEG	<i>P#4</i>	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chl	5	0.0041	1.3052	0.0012	0.0027	0.0036	2.6917	0.0175	0	1.9365	0.0004

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	K+	Na+	Total	OH-	Cl-	F-	Total	Na2O + CaO + K2O	R2+
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_1_ChI	1	0.0148	0.0017	5.9316	8	0	0	8	0.157	4.5157
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_ChI	1	0.0131	0	5.9747	8	0	0	8	0.107	4.6887
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_ChI	3	0.008	0.0037	5.945	8	0	0	8	0.098	4.6039
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_ChI	1	0.0225	0.0031	5.9504	7.957	0	0.043	8	0.242	4.5537
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_ChI	2	0.0216	0.0014	5.9622	8	0	0	8	0.218	4.5797
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_5_ChI	1	0.0254	0.0004	5.9222	8	0	0	8	0.306	4.5151
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_7_ChI	1	0.0153	0.0078	5.9328	8	0	0	8	0.233	4.5948
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	1	0.0169	0.0006	5.8561	7.9415	0	0.0585	8	0.298	4.3721
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	2	0.0033	0.0011	5.9332	7.9945	0	0.0055	8	0.188	4.536
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	4	0.0036	0	5.9543	7.9904	0	0.0096	8	0.038	4.6338
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	5	0.0116	0.005	5.9274	8	0	0	8	0.112	4.5199
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_chI	2	0.0282	0.0031	5.9314	8	0	0	8	0.289	4.5737
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_chI	3	0.0188	0.0031	5.9178	8	0	0	8	0.195	4.5461
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_chI	4	0.0039	0.0006	5.946	7.9515	0	0.0485	8	0.036	4.6085
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_chI	5	0.0065	0.0008	5.9408	7.9642	0	0.0358	8	0.063	4.4845
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	1	0.0173	0.0052	5.9521	8	0	0	8	0.218	4.5572
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	2	0.0036	0	5.9762	7.9912	0	0.0088	8	0.031	4.6191
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	3	0.0034	0.0069	5.9773	7.981	0	0.019	8	0.083	4.6284
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	1	0.0306	0	5.9712	8	0	0	8	0.279	4.5521
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	3	0.0096	0.0031	5.977	8	0	0	8	0.14	4.6684
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	4	0.0056	0.005	5.9758	7.9901	0	0.0099	8	0.112	4.6872
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	1	0.007	0.0075	5.9462	8	0	0	8	0.121	4.5243
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	2	0.0018	0	5.9499	8	0	0	8	0.028	4.5591
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	3	0.0288	0.0099	5.8704	7.9406	0	0.0594	8	0.38	4.4884
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	4	0.0045	0.0023	5.9479	7.985	0	0.015	8	0.071	4.5469
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	5	0.0056	0.0023	5.9648	8	0	0	8	0.077	4.5884
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	1	0.0113	0.0043	5.9169	8	0	0	8	0.173	4.5568
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	2	0.0093	0.0042	5.929	7.9786	0	0.0214	8	0.174	4.5185
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	3	0.0117	0.0042	5.9482	8	0	0	8	0.143	4.5414
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	4	0.006	0.001	5.929	7.9364	0	0.0636	8	0.062	4.5376
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_1_chI	1	0.0315	0.0105	5.0556	8	0	0	8	0.42	2.0829
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_1_chI	3	0.0007	0.0043	5.9097	8	0	0	8	0.026	4.5406
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_2_chI	2	0.0135	0.0026	5.6676	7.9913	0	0.0087	8	0.267	3.9706
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_3_chI	1	0.0269	0.0101	5.7905	8	0	0	8	0.271	4.2758
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_3_chI	4	0.0249	0.0077	5.2229	8	0	0	8	0.387	2.6036
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_4_chI	1	0.0357	0.0209	5.2565	8	0	0	8	0.48	2.6562
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	1	0.0065	0.0067	5.8131	7.9983	0	0.0017	8	0.237	4.3172
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	2	0.0067	0.0065	5.8529	7.998	0	0.002	8	0.199	4.3992
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	3	0.0092	0.0103	5.8362	8	0	0	8	0.267	4.3599
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_7_chI	1	0.0119	0.0102	5.8011	8	0	0	8	0.3	4.3047
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_7_chI	2	0.0126	0.0145	5.7353	7.9678	0	0.0322	8	0.355	4.1515
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	1	0.0004	0.0052	5.9575	7.9731	0	0.0269	8	0.028	4.6571
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	2	0.0014	0.0033	5.9438	8	0	0	8	0.031	4.6416
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	4	0.0048	0.0048	5.9674	7.9662	0	0.0338	8	0.088	4.642
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	5	0.0021	0.0023	5.9689	7.999	0	0.001	8	0.037	4.6448
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	1	0.0005	0	5.9744	8	0	0	8	0.004	4.7111
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	2	0.0014	0.0017	5.9749	7.9838	0	0.0162	8	0.044	4.697
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	3	0.0086	0.01	5.9074	8	0	0	8	0.152	4.5933
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	1	0.0029	0	5.9947	8	0	0	8	0.021	4.6708

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	K+	Na+	Total	OH-	Cl-	F-	Total	Na2O + CaO + K2O	R2+
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	2	0.0025	0.0029	5.9768	8	0	0	8	0.032	4.6414
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	3	0.0005	0	5.9826	7.9973	0	0.0027	8	0.019	4.6519
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChIII	1	0.0027	0	5.973	8	0	0	8	0.036	4.6261
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChIII	2	0.0029	0.0054	5.9756	8	0	0	8	0.047	4.6236
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	1	0.0012	0.0068	5.9769	8	0	0	8	0.068	4.6297
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	2	0	0.006	5.9881	8	0	0	8	0.059	4.6534
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	3	0.0004	0.0017	5.984	7.987	0	0.013	8	0.014	4.651
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChIII	1	0.0472	0.0033	5.8791	7.96	0	0.04	8	0.384	4.3468
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChIII	2	0.0451	0.008	5.8851	8	0	0	8	0.374	4.3597
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_ChII	1	0.0012	0.0035	5.9658	8	0	0	8	0.026	4.6793
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_ChII	2	0.0011	0.001	5.9524	7.9898	0	0.0102	8	0.021	4.6552
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_ChI	1	0.0036	0.0037	5.9763	8	0	0	8	0.051	4.6261
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_ChI	2	0.0028	0.0036	5.9874	8	0	0	8	0.047	4.6436
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_ChI	1	0.0026	0.0031	5.992	8	0	0	8	0.08	4.6556
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_ChI	2	0.0012	0.005	5.9746	8	0	0	8	0.047	4.7294
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	1	0.0166	0.0061	5.8774	8	0	0	8	0.385	4.4315
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	2	0.0105	0.0046	5.8551	7.9904	0	0.0096	8	0.445	4.3924
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	3	0.007	0.0071	5.9396	8	0	0	8	0.169	4.5218
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	4	0.0048	0.0042	5.9559	8	0	0	8	0.136	4.566
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	5	0.0025	0.0023	5.937	8	0	0	8	0.189	4.5321
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	1	0.0029	0	5.8906	8	0	0	8	0.28	4.4755
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	2	0.0033	0.0059	5.9527	8	0	0	8	0.089	4.55
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	3	0.0036	0.0021	5.911	8	0	0	8	0.302	4.4948
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	4	0.0012	0.001	5.9133	8	0	0	8	0.035	4.5238
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	5	0.0008	0	5.9702	8	0	0	8	0.087	4.6428
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_ChI	1	0.0101	0.0033	5.9033	7.9906	0	0.0094	8	0.381	4.4878
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_ChI	2	0.0106	0.0063	5.9236	8	0	0	8	0.34	4.5082
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_4_ChI	1	0.0047	0.0063	5.9223	7.9966	0	0.0034	8	0.273	4.5067
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_4_ChI	3	0.0043	0.0056	5.8909	8	0	0	8	0.259	4.4652
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_ChI	1	0.0056	0.0077	5.9093	7.9956	0	0.0044	8	0.334	4.4723
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_ChI	3	0.0029	0.0015	5.8789	8	0	0	8	0.274	4.4195
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_6_ChI	1	0.0052	0.0015	5.9143	7.9707	0	0.0293	8	0.231	4.4743
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_1_ChI	3	0.0012	0.0047	5.9114	8	0	0	8	0.064	4.5116
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	1	0.0007	0.0069	5.9943	7.9932	0	0.0068	8	0.088	4.6591
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	2	0.001	0.0044	5.9887	8	0	0	8	0.098	4.6471
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	3	0.0028	0.0047	5.946	8	0	0	8	0.1	4.5688
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	1	0.0027	0	5.9623	8	0	0	8	0.076	4.6016
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	2	0.0037	0.0039	5.9612	7.9731	0	0.0269	8	0.124	4.586
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	3	0.0474	0.0025	5.9947	8	0	0	8	0.389	4.574
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChIII	4	0.0031	0.0012	5.9768	8	0	0	8	0.063	4.6307
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	1	0.0064	0.0042	5.9462	7.9834	0	0.0166	8	0.147	4.5795
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	2	0.0049	0.0029	5.9528	7.9956	0	0.0044	8	0.108	4.6002
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	3	0.0064	0.0032	5.9682	8	0	0	8	0.119	4.596
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	4	0.0115	0.0017	5.946	8	0	0	8	0.116	4.5431
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_ChI	1	0.003	0.004	5.986	8	0	0	8	0.05	4.6041
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_ChI	2	0.0037	0.0021	5.9854	8	0	0	8	0.056	4.6127
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_ChI	1	0.0073	0	5.9636	8	0	0	8	0.12	4.6069
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_ChI	2	0.0034	0.0021	5.9447	8	0	0	8	0.043	4.5533
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	1	0.0022	0.0017	5.963	8	0	0	8	0.054	4.6162

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	K+	Na+	Total	OH-	Cl-	F-	Total	Na2O + CaO + K2O	R2+
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	2	0.0012	0.0035	5.9662	7.999	0	0.001	8	0.039	4.6168
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	3	0.0036	0.0067	5.9729	8	0	0	8	0.092	4.6095
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_ChI	1	0.0026	0.0058	5.976	8	0	0	8	0.112	4.6107
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_ChI	2	0.0033	0.0103	5.9768	8	0	0	8	0.144	4.6105
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_9_ChI	1	0.0036	0.0002	5.9677	7.9925	0	0.0075	8	0.06	4.6034
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_9_ChI	2	0.0045	0.0044	5.9726	7.9623	0	0.0377	8	0.086	4.604
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	1	0.0005	0.001	5.961	7.9476	0	0.0524	8	0.009	4.6477
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	2	0.001	0.0153	5.9541	8	0	0	8	0.112	4.5954
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	3	0.0015	0.0014	5.9705	7.9575	0	0.0425	8	0.03	4.6119
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	4	0.0385	0.0097	5.9785	8	0	0	8	0.336	4.5489
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	5	0.0011	0.0273	5.9612	8	0	0	8	0.232	4.6136
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	6	0.0005	0.006	5.9696	7.9916	0	0.0084	8	0.036	4.6199
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	1	0.0019	0	5.9899	7.9949	0	0.0051	8	0.031	4.6407
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	2	0.0008	0.0023	5.9977	8	0	0	8	0.03	4.6374
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	3	0.0022	0.0033	5.9945	8	0	0	8	0.032	4.6131
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	4	0.0027	0	5.9781	8	0	0	8	0.02	4.6018
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	6	0.0022	0.0039	5.9852	7.996	0	0.004	8	0.076	4.6099
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	1	0.0011	0.0033	5.9727	7.9907	0	0.0093	8	0.04	4.5873
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	2	0.0011	0.0008	5.9699	7.948	0	0.052	8	0.039	4.5828
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	3	0.0104	0	5.9651	7.9575	0	0.0425	8	0.079	4.5818
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	4	0.0011	0.0035	5.971	7.9766	0	0.0234	8	0.059	4.5854
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	5	0.0035	0.0049	5.9678	7.9953	0	0.0047	8	0.076	4.5723
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	1	0.0036	0.0004	5.96	8	0	0	8	0.087	4.5552
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	2	0.0009	0.0014	5.9788	7.9582	0	0.0418	8	0.043	4.6205
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	3	0.0028	0.0018	5.9837	8	0	0	8	0.044	4.6209
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	5	0.0005	0.0006	5.9855	8	0	0	8	0.021	4.609
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	1	0.005	0.0047	5.9886	7.941	0	0.059	8	0.08	4.6058
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	2	0.0054	0.0041	5.9862	7.9916	0	0.0084	8	0.099	4.615
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	3	0.0038	0.0014	5.9848	7.9643	0	0.0357	8	0.082	4.6209
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	4	0.0026	0.0004	5.9947	8	0	0	8	0.021	4.6501
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	5	0.0031	0.0019	6.0034	8	0	0	8	0.032	4.6311
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	6	0.0007	0	6.0058	7.9681	0	0.0319	8	0.009	4.656
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	7	0.0022	0.0031	5.9965	8	0	0	8	0.037	4.6254
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	8	0.0025	0.0062	6.029	7.9496	0	0.0504	8	0.055	4.7017
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	1	0.0064	0.0062	5.9233	7.977	0	0.023	8	0.119	4.5552
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	2	0.0272	0.0065	5.932	7.9308	0	0.0692	8	0.322	4.5936
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	3	0.0084	0.0062	5.9309	7.9748	0	0.0252	8	0.173	4.5965
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	4	0.0054	0.0045	5.9342	7.9642	0	0.0358	8	0.123	4.5787
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	6	0.0261	0.0105	5.8972	7.9962	0	0.0038	8	0.295	4.5145
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	10	0.0407	0.0076	5.9022	7.9469	0	0.0531	8	0.406	4.5039
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	1	0.0018	0	5.9436	7.9573	0	0.0427	8	0.018	4.5353
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	2	0.0011	0.0029	5.9539	7.9811	0	0.0189	8	0.034	4.5658
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	3	0.0022	0.0029	5.9537	7.9417	0	0.0583	8	0.035	4.5458
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	4	0.0024	0.0023	5.9504	7.9973	0	0.0027	8	0.032	4.5348
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	5	0.0016	0.0031	5.9658	8	0	0	8	0.027	4.5718
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	1	0.0012	0.0026	6.0005	7.996	0	0.004	8	0.05	4.6435
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	2	0.0029	0.0033	5.9802	8	0	0	8	0.062	4.6153
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	3	0.0001	0.0096	6.0074	8	0	0	8	0.048	4.6569
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	4	0.0113	0.0008	5.9772	7.9631	0	0.0369	8	0.148	4.5871

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	K+	Na+	Total	OH-	Cl-	F-	Total	Na2O + CaO + K2O	R2+
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chl	5	0.005	0.0041	5.9857	8	0	0	8	0.066	4.6007
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chl	6	0.0068	0.0045	6.0009	8	0	0	8	0.093	4.6378
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	1	0.0021	0.0025	5.9255	8	0	0	8	0.027	4.5288
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	2	0.0048	0.004	5.9377	7.942	0	0.058	8	0.108	4.5782
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	3	0.002	0.0076	5.9638	8	0	0	8	0.116	4.5322
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	4	0.0026	0.0023	5.9723	7.9706	0	0.0294	8	0.07	4.5688
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	5	0.0023	0	5.9376	8	0	0	8	0.022	4.5898
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_ChI	1	0.0045	0	5.9766	7.995	0	0.005	8	0.049	4.6153
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_ChI	1	0.004	0	5.974	8	0	0	8	0.03	4.7026
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_ChI	2	0.0044	0.0047	5.965	8	0	0	8	0.056	4.6755
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_ChI	1	0.0057	0.0014	5.969	7.998	0	0.002	8	0.079	4.594
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	1	0.0049	0	5.9395	7.9435	0	0.0565	8	0.066	4.6418
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	2	0.0378	0	5.8881	7.9559	0	0.0441	8	0.307	4.5224
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	3	0.0553	0.0039	5.8728	7.9901	0	0.0099	8	0.464	4.3842
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	4	0.0061	0.0006	5.8918	8	0	0	8	0.056	4.557
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	5	0.009	0.0069	5.8724	7.9947	0	0.0053	8	0.123	4.5297
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	1	0.0553	0.0042	5.8438	7.971	0	0.029	8	0.475	4.354
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	3	0.0442	0.0087	5.961	7.9777	0	0.0223	8	0.401	4.6717
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	4	0.0155	0	5.9363	7.9768	0	0.0232	8	0.148	4.6208
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	1	0.0433	0	5.9142	7.9852	0	0.0148	8	0.34	4.547
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	5	0.0189	0	5.8511	8	0	0	8	0.171	4.457
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	1	0.0024	0.002	5.9465	7.9941	0	0.0059	8	0.039	4.6626
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	2	0.0049	0.0004	5.9396	8	0	0	8	0.055	4.6606
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	3	0.0029	0.0018	5.952	7.998	0	0.002	8	0.045	4.6973
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	4	0.0175	0.0016	5.9357	8	0	0	8	0.154	4.6399
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	5	0.0024	0.0047	5.9428	7.9753	0	0.0247	8	0.048	4.6304
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	6	0.0071	0.0012	5.9254	7.999	0	0.001	8	0.059	4.5836
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	1	0.0378	0.0065	5.9033	7.9957	0	0.0043	8	0.461	4.4967
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	2	0.0316	0.0065	5.9319	7.9524	0	0.0476	8	0.307	4.5906
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	5	0.0059	0.001	5.9709	8	0	0	8	0.073	4.6911
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	1	0.0118	0.0018	5.9239	8	0	0	8	0.125	4.5633
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	2	0.0098	0.0028	5.8938	7.9717	0	0.0283	8	0.115	4.5109
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	3	0.0049	0.0016	5.9395	8	0	0	8	0.059	4.6152
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	4	0.0086	0.001	5.8857	7.9806	0	0.0194	8	0.123	4.492
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	5	0.0032	0	5.8777	8	0	0	8	0.063	4.4747
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	1	0.0063	0.0033	5.9392	8	0	0	8	0.085	4.6504
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	2	0.0087	0.0006	5.9348	7.9912	0	0.0088	8	0.071	4.6503
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	5	0.0074	0	5.9122	7.9789	0	0.0211	8	0.079	4.6039
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	1	0.0099	0.0012	5.9559	7.9148	0	0.0852	8	0.109	4.6932
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	2	0.0037	0	5.9021	7.9777	0	0.0223	8	0.056	4.622
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	3	0.0228	0.0028	5.9382	7.9765	0	0.0235	8	0.191	4.6456
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	1	0.0045	0	5.9201	7.9572	0	0.0428	8	0.056	4.5298
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	2	0.0042	0.0054	5.96	8	0	0	8	0.066	4.6567
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	3	0.0145	0.001	5.9385	7.9719	0	0.0281	8	0.123	4.5889
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	4	0.0145	0	5.9548	8	0	0	8	0.108	4.625
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	5	0.0188	0.0002	5.8932	7.9765	0	0.0235	8	0.176	4.5227
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	6	0.0185	0.0083	5.9211	7.9827	0	0.0173	8	0.209	4.5003
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	1	0.0232	0.0041	5.9597	8	0	0	8	0.226	4.6294
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	2	0.0135	0.0037	5.9459	8	0	0	8	0.143	4.5952

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	K+	Na+	Total	OH-	Cl-	F-	Total	Na2O + CaO + K2O	R2+
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	3	0.008	0.0033	5.9548	7.9969	0	0.0031	8	0.074	4.5705
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	4	0.0044	0	5.9514	8	0	0	8	0.047	4.5704
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	5	0.0066	0.0027	5.9706	7.9867	0	0.0133	8	0.092	4.6739
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	1	0.0088	0.0083	5.9698	8	0	0	8	0.128	4.6296
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	2	0.0214	0.0155	5.9756	7.9912	0	0.0088	8	0.297	4.6389
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	3	0	0.0062	5.9496	7.9855	0	0.0145	8	0.035	4.5908
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	2	0.0194	0.0096	5.9293	8	0	0	8	0.224	4.5664
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	3	0.0288	0.0037	5.9539	8	0	0	8	0.269	4.5525
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	5	0.0108	0.0033	5.8543	8	0	0	8	0.119	4.4141
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_chl	1	0.0041	0.001	5.9508	8	0	0	8	0.061	4.6477
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_chl	2	0.0067	0.0004	5.9614	7.9766	0	0.0234	8	0.077	4.6635
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	1	0.0071	0.0013	5.9585	8	0	0	8	0.073	4.5967
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	2	0.0011	0	5.9907	8	0	0	8	0.008	4.6823
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	3	0.0033	0	5.9615	7.9966	0	0.0034	8	0.066	4.7167
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_bt	3	0.0267	0.0102	5.9149	7.9708	0	0.0292	8	0.338	4.4631
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_ch	2	0.0132	0.0123	5.8715	7.9707	0	0.0293	8	0.378	4.5174
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_ch	3	0.0088	0.0094	5.8921	8	0	0	8	0.161	4.4671
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	1	0.004	0.0063	5.9427	7.9954	0	0.0046	8	0.114	4.6473
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	2	0.0224	0.0098	5.9133	7.995	0	0.005	8	0.306	4.5388
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	3	0.0298	0.008	5.9071	7.957	0	0.043	8	0.378	4.5716
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	5	0.0058	0.0051	5.9385	7.9888	0	0.0112	8	0.19	4.6569
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	6	0.0023	0.0031	5.941	8	0	0	8	0.067	4.5839
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_bt	3	0.0034	0.0072	5.918	7.9685	0.0037	0.0279	8	0.128	4.4607
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_chl	1	0.0295	0.0103	5.9205	8	0	0	8	0.335	4.4997
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_chl	2	0.0363	0.0151	5.9007	7.9832	0	0.0168	8	0.437	4.4316
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	2	0.005	0.0078	5.9632	8	0	0	8	0.118	4.6692
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	3	0.0045	0.0098	5.9477	7.9819	0	0.0181	8	0.145	4.5793
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	4	0.005	0.0361	5.9576	7.9583	0	0.0417	8	0.288	4.5731
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	5	0.0078	0.0043	5.8894	7.9536	0	0.0464	8	0.135	4.5035
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	6	0.0567	0.0069	5.895	8	0	0	8	0.478	4.3669
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	7	0.0314	0.0076	5.9131	8	0	0	8	0.345	4.5224
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_chl	1	0.0274	0.0078	5.7428	8	0	0	8	0.381	4.1581
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	1	0.0009	0.0025	5.9596	8	0	0	8	0.075	4.6183
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	2	0.0011	0.0014	5.9575	7.9651	0	0.0349	8	0.018	4.643
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	3	0.0082	0.0033	5.9398	8	0	0	8	0.114	4.5934
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	4	0.0052	0.0041	5.9534	7.9976	0	0.0024	8	0.119	4.5966
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	5	0.0059	0.0049	5.9064	7.9438	0	0.0562	8	0.161	4.6116
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_chl	1	0.0171	0.0129	5.9497	8	0	0	8	0.272	4.6061
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_chl	3	0.007	0.0082	5.8992	8	0	0	8	0.19	4.5119
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	1	0	0.0063	5.9586	7.9813	0	0.0187	8	0.068	4.6203
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	2	0.005	0.0059	5.9454	7.9997	0	0.0003	8	0.141	4.6011
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	3	0.0034	0.0087	5.9575	8	0	0	8	0.1	4.6482
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	4	0.0043	0.0021	5.927	8	0	0	8	0.124	4.5712
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	5	0.0038	0.0124	5.9073	7.9919	0	0.0081	8	0.178	4.5509
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	6	0.002	0.0179	5.9897	8	0	0	8	0.145	4.6715
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	7	0.0023	0.0098	6.0177	8	0	0	8	0.143	4.7228
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	8	0.0049	0	5.9709	7.9868	0	0.0132	8	0.093	4.6506
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	9	0.0026	0.0087	5.9802	7.9959	0	0.0041	8	0.093	4.6504
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	1	0.0041	0.0019	5.9507	8	0	0	8	0.134	4.6175

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	K+	Na+	Total	OH-	Cl-	F-	Total	Na2O + CaO + K2O	R2+
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	2	0.0038	0.0076	5.9154	8	0	0	8	0.174	4.5724
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	3	0.0054	0.0033	5.9083	7.9835	0	0.0165	8	0.118	4.5483
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	6	0.0152	0.0108	5.9024	7.9553	0	0.0447	8	0.271	4.5221
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	7	0.0041	0.0081	5.9334	8	0	0	8	0.155	4.5477
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_1_ChI	1	0.0043	0.0027	5.9948	8	0	0	8	0.05	4.6682
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_2_ChI	1	0.008	0	5.9563	8	0	0	8	0.126	4.6146
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	1	0.0041	0.0046	5.9823	8	0	0	8	0.052	4.6345
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	2	0.0062	0.0023	5.954	8	0	0	8	0.073	4.6094
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	3	0.0034	0.0021	5.9656	8	0	0	8	0.045	4.638
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_ChI	1	0.0045	0.0004	5.9362	8	0	0	8	0.034	4.5646
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_ChI	2	0.0428	0.0013	5.9558	8	0	0	8	0.342	4.5483
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	1	0.0019	0.0028	5.8198	8	0	0	8	0.048	4.425
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	2	0.0026	0.0008	5.9352	7.9733	0	0.0267	8	0.023	4.5834
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	3	0.0028	0.0019	5.9456	8	0	0	8	0.051	4.6445
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_6_ChI	1	0.0077	0.0021	5.9584	8	0	0	8	0.069	4.6059
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_6_ChI	4	0.0044	0.0071	5.9757	7.989	0	0.011	8	0.111	4.6524
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	1	0.0023	0	5.9726	8	0	0	8	0.053	4.6858
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	2	0.002	0.0033	5.9973	7.9959	0	0.0041	8	0.063	4.713
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	3	0.0012	0.0008	5.9838	7.998	0	0.002	8	0.042	4.6872
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	5	0.0151	0	5.9609	7.9829	0	0.0171	8	0.119	4.661
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	1	0.0036	0.002	5.8941	8	0	0	8	0.071	4.438
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	2	0.002	0	5.9199	7.9846	0	0.0154	8	0.061	4.4765
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	3	0.0022	0.0006	5.9447	7.9978	0.0022	0	8	0.068	4.5281
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	1	0.0023	0.0048	5.9963	7.9871	0	0.0129	8	0.063	4.7123
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	2	0.0308	0	5.9805	7.979	0	0.021	8	0.249	4.6473
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	3	0.0222	0	5.9784	7.98	0	0.02	8	0.185	4.6965
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	4	0.0027	0.005	5.9859	8	0	0	8	0.071	4.7466
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	5	0.004	0	5.9882	8	0	0	8	0.073	4.6961
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	6	0	0.0025	5.9856	7.9796	0	0.0204	8	0.04	4.6851
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	1	0.0025	0.0037	5.9794	8	0	0	8	0.05	4.6997
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	2	0.0041	0.0105	5.989	7.9328	0	0.0672	8	0.092	4.7007
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	3	0.0047	0.0073	5.9675	8	0	0	8	0.113	4.6397
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	1	0.0103	0.0218	5.9658	8	0	0	8	0.179	4.6028
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	2	0.0074	0.0094	5.9737	7.9884	0	0.0116	8	0.107	4.6416
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	3	0.007	0.0148	5.9675	8	0	0	8	0.139	4.6401
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	4	0.0047	0.018	5.9813	8	0	0	8	0.136	4.6602
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	5	0.0054	0.0238	5.9864	7.9684	0	0.0316	8	0.174	4.6363
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_chI	1	0.0075	0.0019	5.9736	8	0	0	8	0.072	4.6622
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_chI	2	0.0027	0.0083	5.9578	7.9895	0	0.0105	8	0.072	4.6373
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	1	0.0093	0.0048	5.9832	8	0	0	8	0.112	4.6689
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	2	0.006	0.0063	5.991	8	0	0	8	0.113	4.7108
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	3	0.0078	0.01	6.0003	8	0	0	8	0.163	4.7014
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	4	0.0095	0.0129	6.0048	7.9656	0	0.0344	8	0.165	4.6966
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	1	0.0011	0.001	5.998	8	0	0	8	0.072	4.7226
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	2	0.0004	0.0004	5.9853	7.9817	0	0.0183	8	0.044	4.6979
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	3	0	0.0025	5.9845	7.9959	0	0.0041	8	0.03	4.677
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	1	0.0021	0	5.9897	8	0	0	8	0.024	4.6864
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	2	0.0003	0.0019	5.9653	8	0	0	8	0.047	4.6513
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	3	0.0003	0.0048	5.9687	7.9772	0	0.0228	8	0.027	4.6453

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	K+	Na+	Total	OH-	Cl-	F-	Total	Na2O + CaO + K2O	R2+
MOSTMEG	<i>P#4</i>	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chl	4	0.0003	0.0044	5.9673	8	0	0	8	0.023	4.6493
MOSTMEG	<i>P#4</i>	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chl	5	0.0018	0.0008	5.9703	7.999	0	0.001	8	0.017	4.6532

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Mg+Mn	Vaz_VI	2Vaz_VI	Si-2Vaz_VI	Fe+Mg
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_1_ChI	1	1.7953	0.0684	0.1368	2.6105	4.49
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_ChI	1	2.0114	0.0253	0.0506	2.7366	4.6711
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_ChI	3	2.2693	0.055	0.11	2.674	4.5805
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_ChI	1	2.0417	0.0496	0.0992	2.6197	4.5251
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_ChI	2	2.0457	0.0378	0.0756	2.629	4.5641
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_5_ChI	1	1.8802	0.0778	0.1556	2.6419	4.4701
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_7_ChI	1	1.9894	0.0672	0.1344	2.7031	4.5635
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	1	1.7217	0.1439	0.2878	2.5489	4.337
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	2	1.8425	0.0668	0.1336	2.6071	4.4986
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	4	1.9063	0.0457	0.0914	2.6821	4.6059
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_chI	5	1.82	0.0726	0.1452	2.6214	4.485
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_chI	2	1.9794	0.0686	0.1372	2.7031	4.5458
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_chI	3	1.9126	0.0822	0.1644	2.67	4.5226
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_chI	4	1.9101	0.054	0.108	2.6665	4.5818
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_chI	5	1.8618	0.0592	0.1184	2.5597	4.4663
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	1	1.8727	0.0479	0.0958	2.6472	4.5143
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	2	1.9291	0.0238	0.0476	2.6439	4.6011
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_chI	3	1.9325	0.0227	0.0454	2.6686	4.603
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	1	1.8309	0.0288	0.0576	2.64	4.5315
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	3	2.0039	0.023	0.046	2.7141	4.6257
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_chI	4	2.0263	0.0242	0.0484	2.7268	4.6633
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	1	1.8577	0.0538	0.1076	2.6072	4.4963
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	2	1.8914	0.0501	0.1002	2.6102	4.5262
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	3	2.0157	0.1296	0.2592	2.6908	4.4504
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	4	1.8725	0.0521	0.1042	2.6087	4.5312
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_chI	5	1.8898	0.0352	0.0704	2.6363	4.5641
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	1	1.9702	0.0831	0.1662	2.6628	4.527
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	2	1.7877	0.071	0.142	2.6077	4.4911
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	3	1.8093	0.0518	0.1036	2.6204	4.5125
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_chI	4	1.9213	0.071	0.142	2.6144	4.5181
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_1_chI	1	1.9791	0.9444	1.8888	1.1042	2.0454
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_1_chI	3	1.982	0.0903	0.1806	2.6378	4.5045
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_2_chI	2	1.9213	0.3324	0.6648	2.3286	3.9295
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_3_chI	1	1.9129	0.2095	0.419	2.5549	4.2548
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_3_chI	4	1.758	0.7771	1.5542	1.4439	2.5704
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_4_chI	1	1.7713	0.7435	1.487	1.5094	2.6208
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	1	1.9632	0.1869	0.3738	2.5295	4.2737
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	2	2.0109	0.1471	0.2942	2.5725	4.3631
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_6_chI	3	2.0046	0.1638	0.3276	2.5603	4.3126
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_7_chI	1	1.9729	0.1989	0.3978	2.5441	4.2583
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	Ri	MOSTMEG_lvo-P15_7_chI	2	1.9449	0.2647	0.5294	2.4674	4.11
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	1	2.1082	0.0425	0.085	2.7113	4.6252
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	2	2.1034	0.0562	0.1124	2.7043	4.6137
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	4	2.0943	0.0326	0.0652	2.6888	4.6141
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_ChI	5	2.0699	0.0311	0.0622	2.6805	4.6062
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	1	2.1606	0.0256	0.0512	2.7359	4.6931
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	2	2.1454	0.0251	0.0502	2.7251	4.6537
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_ChII	3	2.314	0.0926	0.1852	2.7122	4.556
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	1	2.0543	0.0053	0.0106	2.6777	4.6357

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Mg+Mn	Vaz_VI	2Vaz_VI	Si-2Vaz_VI	Fe+Mg
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	2	2.0355	0.0232	0.0464	2.6751	4.6162
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChII	3	1.9919	0.0174	0.0348	2.6621	4.6159
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChIII	1	2.0558	0.027	0.054	2.6557	4.6032
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_ChIII	2	2.0558	0.0244	0.0488	2.6653	4.5909
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	1	1.9749	0.0231	0.0462	2.665	4.5914
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	2	1.993	0.0119	0.0238	2.6726	4.6161
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChII	3	2.0848	0.016	0.032	2.6701	4.6282
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChIII	1	1.8873	0.1209	0.2418	2.5675	4.318
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_ChIII	2	1.8873	0.1149	0.2298	2.5825	4.3243
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_ChII	1	2.0902	0.0342	0.0684	2.7227	4.6521
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_ChII	2	2.0849	0.0476	0.0952	2.7027	4.633
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_ChI	1	2.0018	0.0237	0.0474	2.6615	4.6011
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_ChI	2	2.0225	0.0126	0.0252	2.6665	4.6197
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_ChI	1	2.0079	0.008	0.016	2.6728	4.632
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_ChI	2	2.1841	0.0254	0.0508	2.7647	4.6884
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	1	1.7526	0.1226	0.2452	2.5962	4.3723
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	2	1.6984	0.1449	0.2898	2.5677	4.3173
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	3	1.7257	0.0604	0.1208	2.6074	4.4947
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	4	1.7376	0.0441	0.0882	2.6296	4.5275
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_ChII	5	1.7393	0.063	0.126	2.6027	4.4914
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	1	1.6958	0.1094	0.2188	2.5899	4.424
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	2	1.7451	0.0473	0.0946	2.6143	4.5102
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	3	1.7485	0.089	0.178	2.5903	4.4445
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	4	1.8633	0.0867	0.1734	2.6137	4.4979
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_2_ChI	5	1.7282	0.0298	0.0596	2.6708	4.6032
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_ChI	1	1.6824	0.0967	0.1934	2.6063	4.4272
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_ChI	2	1.9408	0.0764	0.1528	2.6106	4.4612
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_4_ChI	1	1.7658	0.0777	0.1554	2.6056	4.4498
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_4_ChI	3	1.7525	0.1091	0.2182	2.5929	4.4288
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_ChI	1	1.6741	0.0907	0.1814	2.5869	4.4231
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_ChI	3	1.7486	0.1211	0.2422	2.5463	4.3813
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_6_ChI	1	1.7253	0.0857	0.1714	2.5704	4.4398
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_1_ChI	3	1.8566	0.0886	0.1772	2.454	4.4814
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	1	1.892	0.0057	0.0114	2.6775	4.6203
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	2	1.8753	0.0113	0.0226	2.6686	4.6127
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_ChI	3	1.9432	0.054	0.108	2.6365	4.5363
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	1	1.9374	0.0377	0.0754	2.6428	4.5564
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	2	1.9116	0.0388	0.0776	2.6369	4.5385
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChII	3	1.8945	0.0053	0.0106	2.6746	4.531
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_ChIII	4	1.945	0.0232	0.0464	2.6589	4.5937
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	1	1.948	0.0538	0.1076	2.655	4.5267
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	2	1.9702	0.0472	0.0944	2.6598	4.5522
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	3	1.8677	0.0318	0.0636	2.6423	4.555
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_ChI	4	1.8468	0.054	0.108	2.6141	4.5087
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_ChI	1	1.8857	0.014	0.028	2.6312	4.5775
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_ChI	2	1.8865	0.0146	0.0292	2.6337	4.5866
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_ChI	1	1.9028	0.0364	0.0728	2.6581	4.5611
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_ChI	2	1.8582	0.0553	0.1106	2.617	4.5218
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	1	1.9569	0.037	0.074	2.6589	4.5813

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Mg+Mn	Vaz_VI	2Vaz_VI	Si-2Vaz_VI	Fe+Mg
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	2	1.9693	0.0338	0.0676	2.6548	4.5922
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_ChI	3	1.9072	0.0271	0.0542	2.6541	4.5801
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_ChI	1	1.8978	0.024	0.048	2.6501	4.5731
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_ChI	2	1.9057	0.0232	0.0464	2.6608	4.5787
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_9_ChI	1	1.9045	0.0323	0.0646	2.6422	4.5602
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_9_ChI	2	1.9123	0.0274	0.0548	2.6428	4.5594
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	1	2.048	0.039	0.078	2.6874	4.6092
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	2	1.8557	0.0459	0.0918	2.6731	4.5489
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	3	2.1878	0.0295	0.059	2.6306	4.5842
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	4	2.1518	0.0215	0.043	2.6386	4.5161
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	5	1.9526	0.0388	0.0776	2.7092	4.5676
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_chI	6	2.2417	0.0304	0.0608	2.6551	4.5914
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	1	2.2065	0.0101	0.0202	2.6505	4.6098
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	2	2.2251	0.0023	0.0046	2.6398	4.5923
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	3	2.2763	0.0055	0.011	2.6234	4.5749
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	4	2.2848	0.0219	0.0438	2.6234	4.5766
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_chI	6	2.2742	0.0148	0.0296	2.626	4.5702
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	1	2.2454	0.0273	0.0546	2.6185	4.5479
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	2	2.2334	0.0301	0.0602	2.6095	4.5438
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	3	2.2825	0.0349	0.0698	2.6325	4.539
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	4	2.216	0.029	0.058	2.6112	4.5483
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_chI	5	2.3009	0.0322	0.0644	2.6141	4.54
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	1	2.2151	0.04	0.08	2.5997	4.5103
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	2	2.2629	0.0212	0.0424	2.6417	4.583
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	3	2.2644	0.0163	0.0326	2.6419	4.5776
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_chI	5	2.2837	0.0145	0.029	2.6208	4.5688
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	1	2.2109	0.0114	0.0228	2.6297	4.5698
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	2	2.248	0.0138	0.0276	2.6428	4.5771
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	3	2.2208	0.0152	0.0304	2.6436	4.5852
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	4	2.223	0.0053	0.0106	2.6503	4.6046
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	5	2.1742	-0.0034	-0.0068	2.631	4.6036
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	6	2.2361	-0.0058	-0.0116	2.6458	4.6129
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	7	2.1521	0.0035	0.007	2.6335	4.5898
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chII	8	2.1851	-0.029	-0.058	2.6852	4.658
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	1	1.8219	0.0767	0.1534	2.6545	4.5112
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	2	1.9154	0.068	0.136	2.7304	4.546
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	3	2.0064	0.0691	0.1382	2.6939	4.5575
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	4	2.0044	0.0658	0.1316	2.6632	4.5423
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	6	1.558	0.1028	0.2056	2.6873	4.4798
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_chIII	10	1.4976	0.0978	0.1956	2.6969	4.4737
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	1	2.0914	0.0564	0.1128	2.5866	4.5096
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	2	2.1131	0.0461	0.0922	2.6067	4.5256
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	3	2.1092	0.0463	0.0926	2.5956	4.5073
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	4	2.0839	0.0496	0.0992	2.5792	4.5031
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_chI	5	2.1123	0.0342	0.0684	2.5989	4.5377
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	1	2.3159	-0.0005	-0.001	2.646	4.6031
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	2	2.2984	0.0198	0.0396	2.6405	4.5829
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	3	2.3214	-0.0074	-0.0148	2.6612	4.6226
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chI	4	2.2661	0.0228	0.0456	2.6312	4.5517

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Mg+Mn	Vaz_VI	2Vaz_VI	Si-2Vaz_VI	Fe+Mg
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chl	5	2.2727	0.0143	0.0286	2.6266	4.5643
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_chl	6	2.2586	-0.0009	-0.0018	2.6582	4.606
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	1	1.7427	0.0745	0.149	2.6124	4.489
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	2	1.8062	0.0623	0.1246	2.6616	4.527
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	3	2.2055	0.0362	0.0724	2.5827	4.4926
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	4	2.221	0.0277	0.0554	2.6025	4.5294
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_chl	5	1.8993	0.0624	0.1248	2.6519	4.5516
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_ChI	1	2.1718	0.0234	0.0468	2.6399	4.5819
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_ChI	1	2.2912	0.026	0.052	2.732	4.6751
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_ChI	2	2.2659	0.035	0.07	2.72	4.6384
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_ChI	1	2.1317	0.031	0.062	2.6019	4.5581
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	1	2.3644	0.0605	0.121	2.7074	4.5453
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	2	2.3413	0.1119	0.2238	2.7013	4.4286
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	3	2.249	0.1272	0.2544	2.6233	4.2938
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	4	2.3906	0.1082	0.2164	2.6742	4.4715
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_Ch	5	2.3162	0.1276	0.2552	2.6849	4.4292
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	1	2.2838	0.1562	0.3124	2.6226	4.2597
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	3	2.274	0.039	0.078	2.8144	4.5649
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_chl	4	2.4065	0.0637	0.1274	2.7083	4.5174
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	1	2.421	0.0858	0.1716	2.7096	4.461
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	5	2.3238	0.1489	0.2978	2.638	4.3699
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	1	2.4042	0.0535	0.107	2.7209	4.5295
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	2	2.4323	0.0604	0.1208	2.724	4.5419
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	3	2.4626	0.048	0.096	2.747	4.5745
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	4	2.4218	0.0643	0.1286	2.735	4.5295
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	5	2.4145	0.0572	0.1144	2.6981	4.5092
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_Ch	6	2.3455	0.0746	0.1492	2.6594	4.4668
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	1	2.3477	0.0967	0.1934	2.6766	4.3808
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	2	2.3867	0.0681	0.1362	2.7225	4.4809
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_Ch	5	2.4557	0.0291	0.0582	2.7297	4.5921
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	1	2.3099	0.0761	0.1522	2.6626	4.4622
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	2	2.2734	0.1062	0.2124	2.6349	4.4133
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	3	2.3511	0.0605	0.121	2.6819	4.5163
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	4	2.2702	0.1143	0.2286	2.6164	4.3896
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_chl	5	2.2819	0.1223	0.2446	2.5962	4.3752
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	1	2.34	0.0608	0.1216	2.7246	4.5482
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	2	2.3729	0.0652	0.1304	2.7249	4.5464
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_Ch	5	2.3781	0.0878	0.1756	2.7002	4.5088
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	1	2.3924	0.0441	0.0882	2.7581	4.5807
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	2	2.3632	0.0979	0.1958	2.7205	4.51
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_Ch	3	2.3898	0.0618	0.1236	2.7508	4.5433
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	1	1.8791	0.0799	0.1598	2.622	4.5033
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	2	2.0609	0.04	0.08	2.7137	4.6396
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	3	1.91	0.0615	0.123	2.6791	4.5546
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	4	2.0207	0.0452	0.0904	2.6953	4.5943
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	5	1.9615	0.1068	0.2136	2.6637	4.4941
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_ChI	6	1.8746	0.0789	0.1578	2.6303	4.4755
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	1	2.0557	0.0403	0.0806	2.7223	4.5993
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	2	1.9939	0.0541	0.1082	2.6807	4.5736

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Mg+Mn	Vaz_VI	2Vaz_VI	Si-2Vaz_VI	Fe+Mg
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	3	1.8312	0.0452	0.0904	2.6382	4.543
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	4	1.8353	0.0486	0.0972	2.626	4.5393
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_chl	5	1.9977	0.0294	0.0588	2.7199	4.6441
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	1	1.9259	0.0302	0.0604	2.6861	4.6055
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	2	1.9498	0.0244	0.0488	2.7345	4.5972
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_chl	3	1.9489	0.0504	0.1008	2.6475	4.5727
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	2	2.0029	0.0707	0.1414	2.6916	4.5382
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	3	1.9247	0.0461	0.0922	2.6588	4.5303
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_chl	5	1.8316	0.1457	0.2914	2.5872	4.393
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_chl	1	1.9873	0.0492	0.0984	2.7056	4.6177
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_chl	2	1.9895	0.0386	0.0772	2.7164	4.6314
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	1	1.854	0.0415	0.083	2.6504	4.5811
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	2	1.9251	0.0093	0.0186	2.6875	4.6593
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_chl	3	2.0917	0.0385	0.077	2.76	4.6897
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_bt	3	2.016	0.0851	0.1702	2.6072	4.4362
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_ch	2	2.1158	0.1285	0.257	2.695	4.4731
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_ch	3	2.0042	0.1079	0.2158	2.6079	4.4406
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	1	2.1962	0.0573	0.1146	2.7226	4.6172
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	2	1.9809	0.0867	0.1734	2.6877	4.509
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	3	2.0636	0.0929	0.1858	2.7346	4.5407
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	5	2.2305	0.0615	0.123	2.7393	4.6168
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_chl	6	2.053	0.059	0.118	2.6494	4.5537
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_bt	3	2.0774	0.082	0.164	2.5593	4.433
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_chl	1	1.9955	0.0795	0.159	2.651	4.4723
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_chl	2	1.8624	0.0993	0.1986	2.6236	4.3955
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	2	2.1477	0.0368	0.0736	2.7311	4.641
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	3	2.0684	0.0523	0.1046	2.661	4.5471
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	4	1.9837	0.0424	0.0848	2.6936	4.5435
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	5	1.9975	0.1106	0.2212	2.6348	4.4768
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	6	1.923	0.105	0.21	2.5957	4.3334
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_chl	7	2.0232	0.0869	0.1738	2.6859	4.491
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_chl	1	2.0303	0.2572	0.5144	2.3638	4.1215
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	1	2.1226	0.0404	0.0808	2.6647	4.6016
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	2	2.1966	0.0425	0.085	2.6918	4.6256
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	3	2.0936	0.0602	0.1204	2.672	4.5682
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	4	2.0404	0.0466	0.0932	2.6599	4.568
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_chl	5	2.1918	0.0936	0.1872	2.7232	4.5811
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_chl	1	2.0778	0.0503	0.1006	2.7114	4.5723
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_chl	3	2.0361	0.1008	0.2016	2.6385	4.4806
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	1	2.068	0.0414	0.0828	2.672	4.5849
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	2	2.093	0.0546	0.1092	2.6772	4.5667
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	3	2.1291	0.0425	0.085	2.713	4.617
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	4	2.0331	0.073	0.146	2.6528	4.543
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	5	2.0546	0.0927	0.1854	2.6717	4.5225
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	6	2.1065	0.0103	0.0206	2.7212	4.6387
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	7	2.0598	-0.0177	-0.0354	2.7285	4.6912
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	8	2.1264	0.0291	0.0582	2.6854	4.609
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_chl	9	2.1192	0.0198	0.0396	2.6922	4.6276
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	1	2.1133	0.0493	0.0986	2.6726	4.5901

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Mg+Mn	Vaz_VI	2Vaz_VI	Si-2Vaz_VI	Fe+Mg
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	2	2.1594	0.0846	0.1692	2.673	4.5385
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	3	2.0515	0.0917	0.1834	2.6518	4.5218
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	6	1.9318	0.0976	0.1952	2.664	4.4831
MOSTMEG	EB-CONT#	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_chl	7	2.0378	0.0666	0.1332	2.6339	4.5237
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_1_ChI	1	1.938	0.0052	0.0104	2.684	4.6469
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_2_ChI	1	1.8249	0.0437	0.0874	2.6695	4.5846
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	1	1.8697	0.0177	0.0354	2.667	4.6091
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	2	1.8851	0.046	0.092	2.6676	4.5894
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_ChI	3	1.8851	0.0344	0.0688	2.6805	4.6208
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_ChI	1	1.6647	0.0638	0.1276	2.637	4.5493
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_ChI	2	1.7625	0.0442	0.0884	2.6752	4.5258
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	1	1.8524	0.1802	0.3604	2.6137	4.3943
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	2	1.9098	0.0648	0.1296	2.6495	4.5561
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_ChI	3	1.9121	0.0544	0.1088	2.7012	4.6167
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_6_ChI	1	1.8034	0.0416	0.0832	2.6609	4.5779
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_6_ChI	4	1.8563	0.0243	0.0486	2.6975	4.6193
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	1	1.9829	0.0274	0.0548	2.7174	4.6671
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	2	1.9675	0.0027	0.0054	2.7221	4.6876
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	3	2.0227	0.0162	0.0324	2.7059	4.6572
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_chI	5	2.0693	0.0391	0.0782	2.7249	4.6385
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	1	1.8856	0.1059	0.2118	2.5518	4.4167
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	2	1.9319	0.0801	0.1602	2.5567	4.4491
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_MgSiO	3	1.9349	0.0553	0.1106	2.587	4.5053
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	1	2.0461	0.0037	0.0074	2.7278	4.6869
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	2	1.9525	0.0195	0.039	2.7237	4.6184
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	3	2.0637	0.0216	0.0432	2.7602	4.6649
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	4	2.1097	0.0141	0.0282	2.7705	4.7135
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	5	2.0008	0.0118	0.0236	2.7144	4.663
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_chI	6	1.9607	0.0144	0.0288	2.703	4.6553
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	1	2.0128	0.0206	0.0412	2.7309	4.6655
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	2	2.0284	0.011	0.022	2.7391	4.6667
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_chI	3	1.9553	0.0325	0.065	2.6959	4.6049
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	1	1.9677	0.0342	0.0684	2.6963	4.5845
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	2	1.9298	0.0263	0.0526	2.6977	4.6122
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	3	1.9857	0.0325	0.065	2.7134	4.6102
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	4	2.0078	0.0187	0.0374	2.7198	4.6386
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_chI	5	1.9593	0.0136	0.0272	2.7054	4.6039
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_chI	1	1.9765	0.0264	0.0528	2.7043	4.635
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_chI	2	1.9826	0.0422	0.0844	2.698	4.615
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	1	1.996	0.0168	0.0336	2.709	4.649
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	2	1.9929	0.009	0.018	2.7393	4.6838
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	3	1.9967	-0.0003	-0.0006	2.7358	4.6655
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_chI	4	1.9585	-0.0048	-0.0096	2.7315	4.6686
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	1	1.9582	0.002	0.004	2.7258	4.686
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	2	1.9703	0.0147	0.0294	2.7136	4.6608
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_chI	3	1.9807	0.0155	0.031	2.6953	4.6539
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	1	2.0491	0.0103	0.0206	2.6951	4.6607
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	2	1.9285	0.0347	0.0694	2.6846	4.6298
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chI	3	1.9769	0.0313	0.0626	2.6819	4.6182

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Mg+Mn	Vaz_VI	2Vaz_VI	Si-2Vaz_VI	Fe+Mg
MOSTMEG	<i>P#4</i>	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chl	4	1.941	0.0327	0.0654	2.6885	4.6195
MOSTMEG	<i>P#4</i>	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_chl	5	1.954	0.0297	0.0594	2.6841	4.6282