

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	WO3	Ta2O5	Sb2O5	Nb2O5	As2O5	P2O5	SnO2	ZrO2	MnO2
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_TiOx	1	2	0.292	0	0	0.109	0.001	0	0	0	0.0502
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	1	2	1.249	0	0.015	0.114	0.023	0.008	0.003	0.054	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	3	2	0.914	0.176	0.018	0.179	0.015	0	0	0.018	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	4	2	0.19	0	0.005	0.21	0	0	0	0.089	0.0331
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	5	2	0	0	0	0.146	0	0	0	0.025	0.027
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	6	2	0.556	0.059	0	0.139	0.072	0.013	0	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	7	2	1.434	0.014	0.024	0.13	0.019	0.046	0	0.237	0.0282
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	1	2	1.164	0	0	0.16	0.015	0	0	0.098	0.0784
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	3	2	0.254	0	0.005	0.231	0.055	0.018	0	0.032	0.0772
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	4	2	0.244	0	0	0.197	0.012	0	0	0	0.0662
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	5	2	0.387	0.182	0.004	0.156	0.012	0.013	0.012	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	1	2	0.357	0	0	0.179	0	0	0	0.545	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	2	2	0.104	0.005	0	0.133	0.003	0	0.007	0.017	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	4	2	0.246	0.127	0.024	0.134	0	0	0	0.005	0.038
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	5	2	0.522	0.158	0.006	0.102	0.035	0	0	0	0.0208
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	2	2	0.119	0.047	0.044	0.171	0	0	0	0.05	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	3	2	0.232	0.039	0.012	0.088	0.071	0.038	0	0.117	0.0061
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	4	2	0.234	0.187	0.007	0.126	0	0.01	0	0.123	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	5	2	0.074	0.07	0	0.17	0.09	0.017	0.015	0.103	0.0674
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_TiOx	1	2	0.036	0.026	0.016	0.112	0.033	0.033	0	0	0.0061
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_TiOx	4	2	0	0.09	0	0.153	0.021	0.019	0	0.079	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_TiOx	6	2	0.126	0.003	0	0.208	0	0.021	0	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_TiOx	7	2	0	0	0	0.094	0.008	0.049	0	0	0.0551
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_TiOx	3	2	0.22	0.072	0	0.132	0.013	0.194	0.047	0.068	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_TiOx	5	2	0.316	0	0.039	0.068	0.037	0	0	0.036	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_TiOx	6	2	0	0.031	0	0.169	0.004	0.034	0	0.001	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	1	2	0.21	0	0	0.21	0.014	0	0.053	0.046	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	2	2	0.345	0	0.023	0.223	0.02	0	0.036	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	3	2	0.118	0	0	0.191	0.012	0	0	0.026	0.011
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	4	2	0.17	0.082	0.007	0.17	0.007	0.023	0	0.024	0.0343

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	TiO2	SiO2	Ni2O3	Co2O3	Fe2O3	Cr2O3	Al2O3	PbO	BaO	ZnO
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_TiOx	1	98.981	0.106	0.0089	0	0.2434	0.002	0.038	0	0.129	0.094
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	1	95.138	0.281	0.0299	0	1.1169	0.013	0.253	0.045	0.022	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	3	94.936	1.534	0	0	0.6368	0	0.268	0	0	0.014
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	4	96.372	0.487	0.0077	0.0111	0.5801	0.042	0.499	0	0.071	0.057
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	5	96.981	0.467	0.0144	0	0.5646	0.049	0.646	0	0.137	0.012
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	6	95.639	0.483	0.0199	0	1.5003	0.033	0.289	0	0.104	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	7	93.149	0.902	0	0	1.6359	0.043	0.437	0	0.11	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	1	95.75	0.308	0.0122	0	0.6201	0	0.338	0.049	0.086	0.06
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	3	93.903	0.872	0.0166	0	2.1549	0.028	0.469	0.1	0.144	0.039
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	4	96.554	0.475	0	0	0.878	0.057	0.138	0	0.133	0.171
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	5	98.182	0.074	0	0	0.2319	0.028	0.068	0.05	0.117	0.003
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	1	96.379	0.485	0.0111	0	0.4657	0.012	0.15	0.076	0.101	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	2	97.999	0.165	0	0	0.4423	0.032	0.066	0	0.166	0.024
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	4	94.004	0.496	0	0.0066	2.3427	0	0.205	0.034	0.027	0.042
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	5	96.7	0.249	0.0166	0	0.3467	0	0.086	0.047	0.061	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	2	97.314	0.307	0.0343	0.0111	1.0302	0.015	0.325	0	0.082	0.075
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	3	94.139	1.199	0	0.0376	1.5225	0.008	0.509	0	0.078	0.058
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	4	97.167	0.427	0.0044	0	1.0658	0	0.204	0	0.045	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	5	96.855	0.434	0	0.0011	1.1891	0.028	0.384	0	0.102	0.034
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_TiOx	1	98.533	0.102	0.0033	0.0354	0.1467	0	0.581	0	0.016	0.009
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_TiOx	4	97.729	0.833	0.0321	0	0.1867	0.009	0.038	0	0.054	0.001
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_TiOx	6	99.076	0.225	0	0	0.1923	0.022	0.303	0.054	0.018	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_TiOx	7	99.687	0.226	0	0.0232	0.6335	0.008	0.241	0	0.029	0.031
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_TiOx	3	92.544	0.99	0	0.0177	3.8453	0.017	0.624	0	0.103	0.097
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_TiOx	5	97.925	0.112	0	0	0	0.008	0.005	0	0.119	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_TiOx	6	98.315	0.062	0.0365	0	0.1367	0	0.073	0.037	0.069	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	1	98.949	0.051	0.0487	0	0.0515	0.012	0.076	0	0.069	0.048
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	2	98.724	0.068	0.031	0	0.12	0.015	0.166	0.028	0.031	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	3	99.3	0.035	0.0199	0	0.0478	0	0.088	0.039	0.024	0.029
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	4	98.067	0.061	0.0199	0	0.8157	0.017	0.136	0	0.082	0.058

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	CuO	NiO	CoO	FeO	MnO	CaO	MgO	K2O	Na2O	Total
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_TiOx	1	0	0	0	0	0	0.042	0.01	0.089	0	100.1955
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	1	0	0	0	0	0	0.078	0.008	0.105	0	98.5558
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	3	0	0	0	0	0	0.034	0	0.04	0.167	98.9498
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	4	0	0	0	0	0	0.065	0.002	0.069	0	98.79
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	5	0.009	0	0	0	0	0.021	0.018	0.048	0.023	99.1879
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	6	0	0	0	0	0	0.078	0	0	0.016	99.0012
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	7	0	0	0	0	0	0.097	0.043	0.1	0.115	98.5641
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	1	0	0	0	0	0	0.08	0.02	0.181	0.024	99.0437
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	3	0.01	0	0	0	0	0.175	0.036	0.146	0.009	98.7747
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	4	0	0	0	0	0	0.168	0.041	0.056	0.014	99.2041
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	5	0.017	0	0	0.0213	0	0.033	0	0.071	0.027	99.6892
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	1	0	0	0	0	0	0.06	0.005	0.066	0.039	98.9307
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	2	0	0	0	0	0	0.05	0	0.045	0.029	99.2873
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	4	0.014	0	0	0	0	0.242	0.014	0.019	0.008	98.0284
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	5	0	0	0	0	0	0.116	0.007	0.025	0.019	98.5172
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	2	0	0	0	0	0	0.042	0	0.022	0.031	99.7196
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	3	0	0	0	0	0	0.13	0.251	0.044	0	98.5793
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	4	0.027	0	0	0	0	0.07	0.021	0.027	0.037	99.7822
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	5	0.001	0	0	0	0	0.09	0.006	0.038	0.012	99.7807
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_TiOx	1	0	0	0	0	0	0.003	0.005	0.118	0.025	99.8396
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_TiOx	4	0.023	0	0	0	0	0.013	0	0.102	0.001	99.3838
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_TiOx	6	0	0	0	0	0	0.019	0.009	0.103	0.009	100.3883
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_TiOx	7	0.014	0	0	0	0	0.037	0	0.094	0.012	101.2419
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_TiOx	3	0	0	0	0	0	0.2	0.016	0.038	0.034	99.272
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_TiOx	5	0.02	0.017	0.006	0.064	0.011	0.102	0.001	0.019	0.023	98.928
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_TiOx	6	0.006	0	0	0	0	0.095	0	0.003	0.025	99.0972
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	1	0.005	0	0	0.0227	0	0.131	0	0.021	0.026	100.0439
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	2	0.01	0	0	0	0	0.096	0	0.023	0.017	99.976
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	3	0.02	0	0	0	0	0.119	0.012	0.005	0.001	100.0977
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	4	0	0	0	0	0	0.13	0	0	0.001	99.905

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Group	W6+	Ta5+	Sb5+	Nb5+	As5+	P5+	Sn4+	Zr4+
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_TiOx	1		0.001	0	0	0.0007	0	0	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	1		0.0044	0	0.0001	0.0007	0.0002	0.0001	0	0.0004
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	3		0.0032	0.0006	0.0001	0.0011	0.0001	0	0	0.0001
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	4		0.0007	0	0	0.0013	0	0	0	0.0006
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	5		0	0	0	0.0009	0	0	0	0.0002
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	6		0.0019	0.0002	0	0.0008	0.0005	0.0001	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	7		0.0051	0.0001	0.0001	0.0008	0.0001	0.0005	0	0.0016
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	1		0.0041	0	0	0.001	0.0001	0	0	0.0006
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	3		0.0009	0	0	0.0014	0.0004	0.0002	0	0.0002
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	4		0.0009	0	0	0.0012	0.0001	0	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	5		0.0013	0.0007	0	0.0009	0.0001	0.0001	0.0001	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	1		0.0013	0	0	0.0011	0	0	0	0.0036
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	2		0.0004	0	0	0.0008	0	0	0	0.0001
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	4		0.0009	0.0005	0.0001	0.0008	0	0	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	5		0.0018	0.0006	0	0.0006	0.0002	0	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	2		0.0004	0.0002	0.0002	0.001	0	0	0	0.0003
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	3		0.0008	0.0001	0.0001	0.0005	0.0005	0.0004	0	0.0008
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	4		0.0008	0.0007	0	0.0008	0	0.0001	0	0.0008
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	5		0.0003	0.0003	0	0.001	0.0006	0.0002	0.0001	0.0007
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_TiOx	1		0.0001	0.0001	0.0001	0.0007	0.0002	0.0004	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_TiOx	4		0	0.0003	0	0.0009	0.0001	0.0002	0	0.0005
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_TiOx	6		0.0004	0	0	0.0012	0	0.0002	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_TiOx	7		0	0	0	0.0006	0.0001	0.0005	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_TiOx	3		0.0008	0.0003	0	0.0008	0.0001	0.0022	0.0003	0.0004
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_TiOx	5		0.0011	0	0.0002	0.0004	0.0003	0	0	0.0002
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_TiOx	6		0	0.0001	0	0.001	0	0.0004	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	1		0.0007	0	0	0.0013	0.0001	0	0.0003	0.0003
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	2		0.0012	0	0.0001	0.0013	0.0001	0	0.0002	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	3		0.0004	0	0	0.0012	0.0001	0	0	0.0002
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	4		0.0006	0.0003	0	0.001	0	0.0003	0	0.0002

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Mn4+	Ti4+	Si4+	Ni3+	Co3+	Fe3+	Cr3+	Al3+	Pb2+	Ni2+
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_TiOx	1	0.0005	0.9934	0.0014	0.0001	0	0.0024	0	0.0006	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	1	0	0.9758	0.0038	0.0003	0	0.0115	0.0001	0.0041	0.0002	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	3	0	0.9639	0.0207	0	0	0.0065	0	0.0043	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	4	0.0003	0.979	0.0066	0.0001	0.0001	0.0059	0.0004	0.0079	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	5	0.0003	0.9798	0.0063	0.0001	0	0.0057	0.0005	0.0102	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	6	0	0.9731	0.0065	0.0002	0	0.0153	0.0004	0.0046	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	7	0.0003	0.9579	0.0123	0	0	0.0168	0.0005	0.007	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	1	0.0007	0.9779	0.0042	0.0001	0	0.0063	0	0.0054	0.0002	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	3	0.0007	0.9606	0.0119	0.0002	0	0.0221	0.0003	0.0075	0.0004	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	4	0.0006	0.9813	0.0064	0	0	0.0089	0.0006	0.0022	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	5	0	0.9916	0.001	0	0	0.0023	0.0003	0.0011	0.0002	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	1	0	0.9809	0.0066	0.0001	0	0.0047	0.0001	0.0024	0.0003	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	2	0	0.9916	0.0022	0	0	0.0045	0.0003	0.001	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	4	0.0004	0.969	0.0068	0	0.0001	0.0242	0	0.0033	0.0001	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	5	0.0002	0.9879	0.0034	0.0002	0	0.0035	0	0.0014	0.0002	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	2	0	0.9811	0.0041	0.0003	0.0001	0.0104	0.0002	0.0051	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	3	0.0001	0.9614	0.0163	0	0.0004	0.0156	0.0001	0.0081	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	4	0	0.9798	0.0057	0	0	0.0107	0	0.0032	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	5	0.0006	0.976	0.0058	0	0	0.012	0.0003	0.0061	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_TiOx	1	0.0001	0.9884	0.0014	0	0.0003	0.0015	0	0.0091	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_TiOx	4	0	0.9841	0.0112	0.0003	0	0.0019	0.0001	0.0006	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_TiOx	6	0	0.9892	0.003	0	0	0.0019	0.0002	0.0047	0.0002	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_TiOx	7	0.0005	0.9873	0.003	0	0.0002	0.0063	0.0001	0.0037	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_TiOx	3	0	0.9433	0.0134	0	0.0002	0.0392	0.0002	0.01	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_TiOx	5	0	0.9948	0.0015	0	0	0	0.0001	0.0001	0	0.0002
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_TiOx	6	0	0.995	0.0008	0.0004	0	0.0014	0	0.0012	0.0001	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	1	0	0.9941	0.0007	0.0005	0	0.0005	0.0001	0.0012	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	2	0	0.9919	0.0009	0.0003	0	0.0012	0.0002	0.0026	0.0001	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	3	0.0001	0.9955	0.0005	0.0002	0	0.0005	0	0.0014	0.0001	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	4	0.0003	0.9877	0.0008	0.0002	0	0.0082	0.0002	0.0021	0	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Co2+	Fe2+	Mn2+	Total	Group	Ba2+	Zn2+	Cu2+	Ca2+
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_TiOx	1	0	0	0	1.0001		0.0007	0.0009	0	0.0006
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	1	0	0	0	1.0016		0.0001	0	0	0.0011
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	3	0	0	0	1.0006		0	0.0001	0	0.0005
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	4	0	0	0	1.003		0.0004	0.0006	0	0.0009
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	5	0	0	0	1.0039		0.0007	0.0001	0.0001	0.0003
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	6	0	0	0	1.0037		0.0006	0	0	0.0011
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	7	0	0	0	1.0031		0.0006	0	0	0.0014
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	1	0	0	0	1.0007		0.0005	0.0006	0	0.0012
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	3	0	0	0	1.0067		0.0008	0.0004	0.0001	0.0025
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	4	0	0	0	1.0022		0.0007	0.0017	0	0.0024
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	5	0	0.0002	0	1		0.0006	0	0.0002	0.0005
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	1	0	0	0	1.0011		0.0005	0	0	0.0009
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	2	0	0	0	1.0011		0.0009	0.0002	0	0.0007
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	4	0	0	0	1.0062		0.0001	0.0004	0.0001	0.0036
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	5	0	0	0	1.0001		0.0003	0	0	0.0017
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	2	0	0	0	1.0035		0.0004	0.0007	0	0.0006
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	3	0	0	0	1.0052		0.0004	0.0006	0	0.0019
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	4	0	0	0	1.0027		0.0002	0	0.0003	0.001
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	5	0	0	0	1.0039		0.0005	0.0003	0	0.0013
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_TiOx	1	0	0	0	1.0023		0.0001	0.0001	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_TiOx	4	0	0	0	1.0003		0.0003	0	0.0002	0.0002
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_TiOx	6	0	0	0	1.0012		0.0001	0	0	0.0003
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_TiOx	7	0	0	0	1.0023		0.0001	0.0003	0.0001	0.0005
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_TiOx	3	0	0	0	1.0111		0.0005	0.001	0	0.0029
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_TiOx	5	0.0001	0.0007	0.0001	0.9998		0.0006	0	0.0002	0.0015
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_TiOx	6	0	0	0	1.0004		0.0004	0	0.0001	0.0014
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	1	0	0.0003	0	1		0.0004	0.0005	0.0001	0.0019
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	2	0	0	0	1.0001		0.0002	0	0.0001	0.0014
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	3	0	0	0	1.0001		0.0001	0.0003	0.0002	0.0017
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	4	0	0	0	1.002		0.0004	0.0006	0	0.0019

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Mg2+	K+	Na+	Total	Group	Tripuhyte	VFe	Rutile	Total
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_TiOx	1	0.0002	0.0015	0	0.0039		0	0	99.3417	99.3417
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	1	0.0002	0.0018	0	0.0032		0	0	97.5827	97.5827
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	3	0	0.0007	0.0044	0.0057		0	0	96.3918	96.3918
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	4	0	0.0012	0	0.0031		0	0	97.9046	97.9046
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	5	0.0004	0.0008	0.0006	0.003		0	0	97.9764	97.9764
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	6	0	0	0.0004	0.0021		0	0	97.3071	97.3071
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	7	0.0009	0.0017	0.003	0.0077		1.1381	1.1137	95.7899	98.0416
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	1	0.0004	0.0031	0.0006	0.0064		0	0	97.7943	97.7943
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	3	0.0007	0.0025	0.0002	0.0073		1.4734	1.4683	96.0602	99.0019
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	4	0.0008	0.001	0.0004	0.007		0	0	98.1276	98.1276
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	5	0	0.0012	0.0007	0.0032		0	0	99.1597	99.1597
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	1	0.0001	0.0011	0.001	0.0037		0	0	98.0932	98.0932
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	2	0	0.0008	0.0008	0.0034		0	0	99.163	99.163
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	4	0.0003	0.0003	0.0002	0.0051		1.6246	1.6002	96.7753	100
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	5	0.0001	0.0004	0.0005	0.0031		0	0	98.7908	98.7908
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	2	0	0.0004	0.0008	0.003		0	0	98.1065	98.1065
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	3	0.0051	0.0008	0	0.0087		1.045	1.0329	96.1445	98.2224
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	4	0.0004	0.0005	0.001	0.0034		0	0	97.9751	97.9751
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	5	0.0001	0.0006	0.0003	0.0033		0	0	97.6023	97.6023
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_TiOx	1	0.0001	0.002	0.0006	0.003		0	0	98.8351	98.8351
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_TiOx	4	0	0.0017	0	0.0025		0	0	98.4149	98.4149
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_TiOx	6	0.0002	0.0017	0.0002	0.0025		0	0	98.9231	98.9231
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_TiOx	7	0	0.0016	0.0003	0.003		0	0	98.7332	98.7332
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_TiOx	3	0.0003	0.0007	0.0009	0.0063		2.6138	2.6138	94.3339	99.5615
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_TiOx	5	0	0.0003	0.0006	0.0033		0	0	99.4829	99.4829
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_TiOx	6	0	0.0001	0.0007	0.0025		0	0	99.4973	99.4973
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	1	0	0.0004	0.0007	0.0038		0	0	99.4079	99.4079
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	2	0	0.0004	0.0004	0.0025		0	0	99.185	99.185
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	3	0.0002	0.0001	0	0.0027		0	0	99.5498	99.5498
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	4	0	0	0	0.0029		0	0	98.7682	98.7682

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Group	M_Fe3+	M_Ti4+	M_Mn4+	M_Sn4+	M_Sb5+	M_V5+	Total
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_TiOx	1		-0.0024	0	-0.0005	0	0	0	0.0025
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	1		-0.0115	0	0	0	-0.0001	0	0.0115
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	3		-0.0065	0	0	0	-0.0001	0	0.0065
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	4		-0.0059	0	-0.0003	0	0	0	0.0059
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	5		-0.0057	0	-0.0003	0	0	0	0.0057
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	6		-0.0153	0	0	0	0	0	0.0153
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_TiOx	7		-0.0056	0	-0.0003	0	0.0056	0.0056	0.0096
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	1		-0.0063	0	-0.0007	0	0	0	0.0064
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	3		-0.0073	0	-0.0007	0	0.0073	0.0073	0.0127
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	4		-0.0089	0	-0.0006	0	0	0	0.0089
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_TiOx	5		-0.0023	0	0	-0.0001	0	0	0.0023
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	1		-0.0047	0	0	0	0	0	0.0047
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	2		-0.0045	0	0	0	0	0	0.0045
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	4		-0.008	-0.0013	-0.0004	0	0.008	0.008	0.0139
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_TiOx	5		-0.0035	0	-0.0002	0	0	0	0.0035
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	2		-0.0104	0	0	0	-0.0002	0	0.0104
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	3		-0.0052	0	-0.0001	0	0.0052	0.0052	0.0089
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	4		-0.0107	0	0	0	0	0	0.0107
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_TiOx	5		-0.012	0	-0.0006	-0.0001	0	0	0.012
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_TiOx	1		-0.0015	0	-0.0001	0	-0.0001	0	0.0015
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_TiOx	4		-0.0019	0	0	0	0	0	0.0019
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_TiOx	6		-0.0019	0	0	0	0	0	0.0019
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_TiOx	7		-0.0063	0	-0.0005	0	0	0	0.0063
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_TiOx	3		-0.0131	0	0	-0.0003	0.0131	0.0131	0.0226
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_TiOx	5		0	0	0	0	-0.0002	0	0.0002
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_TiOx	6		-0.0014	0	0	0	0	0	0.0014
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	1		-0.0005	0	0	-0.0003	0	0	0.0006
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	2		-0.0012	0	0	-0.0002	-0.0001	0	0.0012
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	3		-0.0005	0	-0.0001	0	0	0	0.0005
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_TiOx	4		-0.0082	0	-0.0003	0	0	0	0.0082