

	ZEB	ZEB	ZEB
	MOSTMEG	MOSTMEG	MOSTMEG
	1	1	2
Ta2O5	0.043	0.034	0
Nb2O5	0.114	0.09	0.167
SnO2	0	0	0.024
ZrO2	0.039	0.03	0
VO2	0.0443	0.0742	0.031
TiO2	30.476	25.625	28.32
SiO2	31.275	32.049	31.269
Nd2O3	0	0.054	0
Pr2O3	0.275	0	0
Ce2O3	0	0	0.221
La2O3	0	0	0.013
Fe2O3	0.4868	0.5334	0.7813
Mn2O3	0.0256	0.0467	0.0078
Cr2O3	0.003	0.026	0.022
Al2O3	6.574	9.74	7.635
BaO	0.096	0.079	0.028
ZnO	0	0.003	0
MnO	0	0	0
CaO	28.895	28.091	28.96
MgO	0.171	0.24	0.131
K2O	0.263	0.636	0.098
Na2O	0.003	0.007	0.037
F	1.53	2.755	2.712
H2O	0.4779	0.4802	0.1521
Total#	100.7915	100.5936	100.6091
O=F	-0.6442	-1.1601	-1.1419
Total	100.1473	99.4335	99.4672

Group	T		
Si4+	0.9995	1.0161	1.0017
Al3+	0.0005	0	0
Total	1	1.0161	1.0017

Group	M		
Ta5+	0.0004	0.0003	0
Nb5+	0.0016	0.0013	0.0024
Sn4+	0	0	0.0003
Zr4+	0.0006	0.0005	0
V4+	0.001	0.0017	0.0007
Ti4+	0.7327	0.6112	0.6825
Fe3+	0.0117	0.0127	0.0188
Mn3+	0.0006	0.0011	0.0002
Cr3+	0.0001	0.0007	0.0006
Al3+	0.2471	0.3639	0.2883
Total	0.9959	0.9934	0.9938

Group I

Nd3+	0	0.0006	0
Pr3+	0.0032	0	0
Ce3+	0	0	0.0026
La3+	0	0	0.0002
Ba2+	0.0012	0.001	0.0004
Zn2+	0	0.0001	0
Mn2+	0	0	0
Ca2+	0.9894	0.9542	0.9941
Mg2+	0.0081	0.0113	0.0063
K+	0.0107	0.0257	0.004
Na+	0.0002	0.0004	0.0023
Total	1.0129	0.9934	1.0097

Group	A		
OH-	0.1019	0.1016	0.0325
F-	0.1546	0.2762	0.2748
O2-	4.7435	4.6222	4.6927
Total	5	5	5

Group	Endmemb	Decomposition	
Žabińskiite	25.2961	37.2439	29.8201
Natrotitan	0.3758	2.9087	0.2507
Titanite	73.1707	58.6206	68.5002
Vanadoma	0.3773	0.5807	0.5683
Malayaite	0.2749	0.4104	0.5271
Total	99.4948	99.7643	99.6664

Group	Decompos	Residuals	
I_Na+	0.0017	0.0141	-0.001
I_Ca2+	0.0018	0.0143	0.0001
I_Y3+	0.0019	0.0145	0.0013
I_Mg2+	-0.0081	-0.0113	-0.0063
M_Al3+	-0.1206	-0.1777	-0.1392
M_Fe3+	-0.0117	-0.0127	-0.0188
M_Ti4+	0.0027	0.0041	0.005
M_V4+	0.0027	0.0041	0.005
M_Sn4+	0.0027	0.0041	0.005
M_Ta5+	0.1261	0.1859	0.1491
T_Si4+	-0.0045	-0.0184	-0.0051
Total	0.1752	0.2597	0.2052