Molecular Norm Worksheet

Oxide	SiO_2	TiO_2	Al_2O_3	Fe_2O_3	FeO	MnO	MgO	CaO	Na_2O	K_2O	P_2O_5	Total
wt. % oxide												
equivalent wt. of oxide	60.1	79.9	51.0	79.8	71.8	70.9	40.3	56.1	31.0	47.1	71.0	
Cation proportion												
Cation %												
Q (S)												
Or (KAS_3)												
Ab (NAS_3)												
An (CA_2S_2)												
Lc (KAS_2)												
Ne (NAS)												
C (A)												
Ac ($NF^{3+}S_2$)												
Di(wo) (CS)												
Di(en) (MS)												
Di(fs) ($F^{2+}S$)												
Wo (CS)												
Hy(en) (MS)												
Hy(fs) ($F^{2+}S$)												
Ol(fo) (M_2S)												
Ol(fa) ($F^{2+}{}_2S$)												
Mt ($F^{2+}{}_{0.5}F^{3+}$)												
He (F^{3+})												
Il ($F^{2+}T$)												
Ap ($C_{1.67}P$)												
TOTALS												