

Calculated chemical compositions (wt %) of predicted hydrothermally altered basalts

Oxide	100°C	150°C	200°C	250°C	300°C	350°C	V25-RD1-T3 ¹
SiO ₂	47.57	47.25	49.21	49.25	49.54	49.8	49.87
Al ₂ O ₃	15	14.95	15.5	15.49	15.56	15.71	15.7
FeO	0.62	0.63	6.54	7.75	7.38	7.93	8.24
Fe ₂ O ₃	9.59	9.57	3.31	2.04	2.49	1.51	1.4
MgO	15.09	8.25	8.27	8.28	8.32	8.36	8.37
CaO	2.71	12.56	10.9	10.81	10.78	10.65	10.66
Na ₂ O	1.42	2.14	2.68	2.63	2.76	2.81	2.93
K ₂ O	1.69	0	0.15	0.12	0.08	0.15	0.21
H ₂ O	4.16	2.4	3.26	3.55	3.02	2.99	1
S	1.18	1.27	0.18	0.08	0.07	0.09	0.11

1. Sample V25-RD1-Te [Miyashiro et al., 1969] represents an actual unaltered basalt.