

from a fresh fragment weighing about 800 grams, all of which was powdered and sampled. For comparison the analysis of blairmorite-tuff given by Knight is introduced here, as well as analyses of other rocks high in analcite.

Analyses of Blairmorite, Blairmorite-tuff, etc.

	I	II	III	IV	V
SiO ₂	54.04	54.95	56.75	54.07	52.73
TiO ₂	0.20	0.42	0.30	0.15	..
Al ₂ O ₃	18.86	18.64	20.69	21.67	20.05
Fe ₂ O ₃	3.30	4.75	3.52	3.55	3.43
FeO.....	0.76	1.55	0.59	..	0.99
MnO.....	0.08	0.34	trace	..	..
MgO.....	0.70	0.60	0.11	0.36	0.17
CaO.....	2.32	2.27	0.37	0.36	3.35
Na ₂ O.....	9.77	4.91	11.45	8.91	7.94
K ₂ O.....	2.26	7.65	2.90	4.76	4.77
H ₂ O+.....	7.77	3.35	3.18	5.44	4.85
H ₂ O-.....	0.90	0.90	0.04	..	0.69
CO ₂	0.30	..	..	..	0.93
P ₂ O ₅	..	0.18	..	..	trace
Sp. G.....	100.09 2.388	100.51	99.92	99.27	99.90

- I. Blairmorite, variety A, Collector J. D. MacKenzie, Analyst M. F. Connor.
- II. Blairmorite-tuff, Collector W. W. Leach, Analyst C. W. Dickson, Canadian Record of Science, Montreal, vol. 9, No. 5, 1905, p. 276.
- III. Analcite tinguaita, Pickards point, Manchester, Mass. H. S. Washington, Am. Jour. Sci., 4th Ser., vol. 7, 1898, p. 185.
- IV. Ægirite tinguaita, Hot Springs, Ark., J. F. Williams, Ark. Geol. Surv. 1890, vol. II, p. 370. W. A. Noyes, Analyst.
- V. Heronite, Heron Bay, Ontario. A. P. Coleman, Jour. Geol. vol. 7, 1899, p. 435. Analyst, H. W. Charlton.