The analysis of the tuff, column II, resembles that primary blairmorite, column I, in a marked degree, did virtually only in the water content, and in the proposition of the alkalies. The difference almost certainly is cause relatively more orthoclase in the tuff than in the primary. This close agreement in composition is another instance of similarity obtaining between some of the pyroclastic in this suite, and their parents, a fact which has been reto before.

The other analyses given bear a marked resemblan that of the blairmorite.

The results of the calculation of the analysis of the morite according to the Quantitative System is given below

Class, persalane; order, lendofelic, russare; rang, p kalic, miaskase; subrang, dosodic near persodic, miaskose

The analysis of the analcite phenocrysts, which were enobtained free from the enclosing matrix, is given below in cold with some other determinations of the composition of cite for comparison.

Analyses of Analcite.

	I	II	III	IV	\
SiO ₂ TiO ₃ Al ₃ O ₄ Fe ₇ O ₃ Fe ₇ O MnO MgO CaO Na ₃ O K ₄ O H ₃ O+ H ₃ O+ CO ₂	54·16 0·15 22·35 0·92 0·06 trace 0·25 0·60 12·49 0·59 8·50 0·30	54·39 22·08 2·85 0·27 0·29 11·75 1·03 7·97 0·55	54·85 22·59 0·89 12·58 9·06	57·06 21·48 0·13 0·16 12·20 8·38 0·58	54 23
	100.37	101.18	99.97	99.99	100 ·