

NOTE.—The numbers heading the columns correspond with those particularizing the variety, and which appear over the respective analyses in the preceding pages.

CANADIAN APATITE.

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TABLE II.—SHOWING THE COMPOSITION OF CERTAIN EUROPEAN FLUOR-APATITES.

	A.	B.	C.	D.	E.	F.	G.	H.
Phosphoric acid ¹	42.229	42.172	42.215	40.120	34.630	34.480	41.990	41.980
Fluorine ²	3.415	3.434	3.746	2.160	3.313	3.450	4.200	4.020
Chlorine ³	0.512	0.565	0.096	0.060	.....	.....	0.010	0.110
Carbonic acid ⁴.....	.....	.....	.....	.....	.....	.....	.....	.....
Lime.....	.....	.....	.....	.....	.....	.....	.....	.....
Calcium.....	49.960	49.894	49.945	50.269	41.150	40.705	49.752	49.898
Magnesia.....	3.824	3.934	3.998	2.308	3.487	3.632	4.427	4.294
Alumina.....	.....	.....	.....	.....	.....	0.160	.....	.....
Sesquioxide of iron.....	.....	.....	.....	.....	.....	1.680	.....	.....
Alkalies.....	.....	.....	.....	0.610	3.800 ^b	6.420	.....	.....
Silica.....	.....	.....	.....	.....	.....	1.000 ^c	.....	.....
Water.....	.....	.....	.....	3.100 ^a	12.370	4.830	.....	.....
	100.000	100.000	100.000	98.627	100.000	99.717	100.379	100.302
1 Equal to tribasic phosphate of lime.....	92.189	92.066	92.160	87.586	75.601	75.273	91.668	91.646
2 Equal to fluoride of calcium.....	7.010	7.049	7.690	4.434	6.800	7.682	8.621	8.252
3 Equal to chloride of calcium.....	0.801	0.885	0.150	0.094	.....	.....	0.016	0.172
4 Equal to carbonate of lime.....	.....	.....	.....	.....	.....	3.432	.....	.....

A. From Arendal, Norway, by G. Rose.

B. From Murcia, Spain, by G. Rose.

C. From Greiner, Tyrol, by G. Rose.

D. From Estramadura, Spain, by Garzo and Penuelas.

a. With alumina. — b. With some alumina, magnesia, iodine (traces) and carbonic acid (by difference). — c. Consisting of potash 0.58 and soda 0.42.

E. From Estramadura, Spain, by P. Thibault.

F. From Stafel, Nassau, Germany, by Foster.

G. From Tokovaia, Ural, Russia, by Pushevski.

H. From Sludianka, Russia, by Pushevski.