

DEPARTMENT OF COMMERCE

Bureau of Standards

Certificate of Analyses

OF

STANDARD SAMPLE No. 1

ARGILLACEOUS LIMESTONE

This limestone was prepared by the Committee of the American Chemical Society on Uniformity in Technical Analysis, which afterwards assigned it to the Bureau of Standards for custody and distribution. For a full discussion of the methods of analysis, consult Jour. Am. Chem. Soc., 28, 223 (1906).

ANALYSES.

ANALYST.	LOCATION AT TIME OF ANALYSIS.				SiO ₂ .	TiO ₂ .	Al ₂ O ₃ .	P ₂ O ₅ .	Fe ₂ O ₃ .	MnO.	CaO (SrO).
	Hillebrand	U. S. Geological Survey				18.11	0.23	5.78	0.18	1.75	0.04
E. Waters	Bureau of Standards				18.18	0.21	5.62	0.18	1.68	0.04	*37.62
Average.....				18.15	0.22	5.70	0.18	1.72	0.04	37.65
CONTINUED.	MgO.	K ₂ O.	Na ₂ O.	H ₂ O. 100°-	H ₂ O. 100°+	S.	SO ₃ .	CO ₂ .	C.	TOTAL.	IGNITION LOSS.
W. F. Hillebrand.....	1.96	1.17	0.36	0.16	1.48	0.26	0.015	30.59	0.66	100.33	32.24
C. E. Waters.....	1.91	1.12	0.30	0.15	1.53	0.28	0.010	30.77	0.63	100.16	32.30
AVERAGE.....	1.94	1.15	0.33	0.16	1.51	0.27	0.013	30.68	0.65	100.25	32.27

* Includes 0.09 SrO.

S. W. STRATTON,
Director.

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