

Bureau of Standards

Certificate of Analyses

OF

STANDARD SAMPLE No. 27

"SIBLEY" IRON ORE (Dried at 100°)

Last copy held
 55
 RECORD FILE
Return
 317

CHEMIST.	LOCATION.	SILICA SiO ₂ .	PHOSPHO- RUS P.	IRON Fe.	METHOD FOR IRON.
William Blum.....	Bureau of Standards.....	0.78	0.036	69.26	Jones Reductor.
William Blum.....	Bureau of Standards.....			69.27	SnCl ₂ + KMnO ₄ .
William Blum.....	Bureau of Standards.....			69.31	Gravimetric.
W. F. Hillebrand.....	Bureau of Standards.....			69.24	Gravimetric.
R. S. McBride.....	Bureau of Standards.....			69.26	Jones Reductor.
R. S. McBride.....	Bureau of Standards.....			69.23	SnCl ₂ + KMnO ₄ .
Average, Bureau of Standards.....		.78	.036	69.26	(38 determinations.)
F. L. Crobaugh.....	Cleveland, Ohio.....	.86	.039	69.15	
Crowell & Murray.....	Cleveland, Ohio.....	.68	.038	69.05	SnCl ₂ + KMnO ₄ .
Dickman & Mackenzie.....	Chicago, Ill.....	.76	.035	68.91	KMnO ₄ .
F. A. Emmerton.....	Cleveland, Ohio.....	.82	.037	68.93	SnCl ₂ + KMnO ₄ .
W. J. Rattle & Sons.....	Cleveland, Ohio.....	.78	.036	69.02	SnCl ₂ + KMnO ₄ .
Oscar Textor.....	Cleveland, Ohio.....	.72	.036	69.12	SnCl ₂ + KMnO ₄ .
Average, commercial chemists.....		.77	.037	69.03	
J. M. Camp.....	Carnegie Steel Co., Duquesne, Pa.....	.76	.037	69.12	K ₂ Cr ₂ O ₇ .
R. F. Clanfield.....	Illinois Steel Co., South Chicago, Ill.....	.74	.038	69.22	{ K ₂ Cr ₂ O ₇ KMnO ₄ .
W. B. N. Hawk.....	National Tube Co., Lorain, Ohio.....	.76	.037	69.04	KMnO ₄ .
C. H. Rich.....	Carnegie Steel Co., Clairton, Pa.....	.74	.036	69.10	K ₂ Cr ₂ O ₇ .
Average, Steel Corporation chemists.....		.75	.037	69.12	
G. L. Fitzwilliam.....	Ely, Minn.....		.035	69.11	KMnO ₄ .
A. T. Gordon.....	Mt. Iron, Minn.....	.74	.037	68.99	KMnO ₄ .
E. T. Griese.....	Hibbing, Minn.....	.79	.036	68.98	SnCl ₂ + KMnO ₄ .
G. A. Hellberg.....	Norway, Mich.....	.70	.039	69.15	K ₂ Cr ₂ O ₇ .
J. H. Hitchens.....	Iron Mountain, Mich.....	.77	.038	69.15	KMnO ₄ .
A. L. Johnson.....	Ishpeming, Mich.....	.75	.041	68.85	KMnO ₄ .
C. J. Mott.....	Coleraine, Minn.....	.77	.036	69.07	KMnO ₄ .
W. J. Phillips.....	Iron River, Wis.....	.70	.036	68.98	
H. S. Sherman.....	Eveleth, Minn.....	.76	.038	68.98	
Norman Winn.....	Bessemer, Mich.....	.73	.041	69.15	KMnO ₄ .
W. L. Winn.....	Ironwood, Mich.....	.71	.041	69.20	
Average, Oliver Mining Co. chemists.....		.74	.038	69.06	
GENERAL AVERAGE.....		.75	.037	69.11	