

SS  
RECORD FILE

Department of Commerce and Labor

# Bureau of Standards

## Certificate

SS #5

OF

### ANALYSES OF STANDARDIZED IRON

SAMPLE C. SECOND SET

ANALYST.	TOTAL CARBON.	GRAPHITE.	COMBINED CARBON.	SILICON.	TITANIUM.	PHOSPHORUS, GRAVIMETRIC.	PHOSPHORUS, PERMANGANATE TITRATION.	PHOSPHORUS, ALKALI TITRATION.	SULPHUR, TOTAL BY OXIDATION.	SULPHUR EVOLVED AS HYDROGEN SULPHIDE.	MANGANESE.
John R. Cain, Bureau of Standards...	3.28	2.68	0.60	1.700	0.045	-----	0.201	-----	0.036	0.024	0.62
Cremer & Bicknell, Cleveland .....	3.29	2.72	0.57	1.710	-----	0.196	-----	-----	0.035	0.025	0.66
Booth, Garrett & Blair, Philadelphia.	3.23	2.65	0.58	1.760	0.025	-----	-----	-----	0.032	0.027	0.65
Andrew S. McCreath & Son, Harrisburg.	3.27	2.71	0.56	1.720	0.040	0.203	-----	-----	0.033	0.029	0.68
Albert W. Smith, Cleveland.....	3.23	2.67	0.56	1.730	0.027	0.198	0.197	0.200	0.032	0.028	0.68
AVERAGE.....	3.26	2.68	0.58	1.720	0.034	0.199	0.199	0.200	0.034	0.026	0.66

Director.

Test No.

In charge of Analyses.

Washington, D. C.