

Department of Commerce
Bureau of Standards
Washington.

PROVISIONAL CERTIFICATE
of
ANALYSIS OF
STANDARD SAMPLE No. 5c
IRON C

Carbon, Direct Combustion	2.65
Carbon, Solution and Combustion	2.66
Graphite	2.11
Carbon, Combined55
Silicon, Hydrochloric Acid Dehydration	1.85
Silica, Sulphuric Acid Dehydration	1.83
Titanium, Colorimetric073
Phosphorus, Alkali Molybdate227
Sulphur, Oxidation051
Sulphur, Meines Method048
Manganese, Bismuthate807
Copper094
Chromium	less than .02
Vanadium	less than .005
Molybdenum	less than .01

N.B. As cast, this iron contained 3.85% total carbon. Most of the loose graphite was purposely blown out in preparing the sample, but its loss has in no way affected the nature of the compounds existing in the iron, which are those proper to the iron as cast.

Printed certificates with detailed analysis will follow when received from the printer.

S. W. STRATTON

Director

Washington, D.C.
August 1, 1918.

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