

C O P Y

DEPARTMENT OF COMMERCE
BUREAU OF STANDARDS

CERTIFICATE OF ANALYSES

OF

STANDARD SAMPLE No. 11b

BASIC OPEN-HEARTH STEEL, 0.2% CARBON

	<u>Percent</u>
Total carbon - - - - -	0.211
Direct combustion - - - - -	.210
Solution and combustion - - - - -	.225
Silicon - - - - -	.003
Sulphuric acid dehydration - - - - -	.003
Hydrochloric acid dehydration - - - - -	.007
Phosphorus - - - - -	.006
Alkali Molybdate - - - - -	.006
Molybdate Reduction - - - - -	.011
Weighing phospho-molybdate - - - - -	.006
As $Mg_2P_2O_7$ from phospho-molybdate - - - - -	.005
Sulphur - - - - -	.042
Manganese - - - - -	.438
Bismuthate - - - - -	.437
Persulphate (arsenite titration) - - - - -	.442
Copper - - - - -	.014
Nickel - - - - -	.01
Chromium - - - - -	<.02
Vanadium - - - - -	<.005

This standard is not recommended for colorimetric determination, because of uncertainty as to the condition of the carbon.

(Signed) S. W. STRATTON,
Director.

Nov. 9, 1918.

Washington, D. C.

Analyst

- (1) L. F. Winters . Cc, Si, P, S, Mn, Cu, Cr, V,
- (2) A. A. Selwinder . Cc, Si, S, Mn, Cu