

National Bureau of Standards Certificate of Analysis

Standard Reference Material 15g

Basic Open-Hearth Steel, 0.1% Carbon

<u>Element</u>	<u>Percent by Weight</u>
Carbon.	0.094
Manganese485
Phosphorus.005
Sulfur026
Silicon.095
Copper.036
Nickel017
Chromium028
Vanadium001

The value listed for an element is the best estimate of the "true" value based on the results of the cooperative analytical program. The value is not expected to deviate from the "true" value by more than ± 1 in the last significant figure reported.

The material for this SRM was provided by the Jones and Laughlin Steel Corporation, Aliquippa, Pa.

The overall direction and coordination of the technical measurements at NBS leading to certification were performed under the direction of O. Menis and J. I. Shultz.

The technical and support aspects involved in the preparation, certification, and issuance of this SRM were coordinated through the Office of Standard Reference Materials by R. E. Michaelis.

Cooperative analyses for certification were performed in the analytical laboratories of General Motors Corporation, Research Laboratories, Warren, Mich., M. D. Cooper and R. E. Kohn; Bethlehem Steel Corporation, Sparrows Point, Md., F. G. Fick and W. Selig; Laboratory Equipment Company, St. Joseph, Mich., G. Helling; and Carpenter Technology, Reading, Pa., A. L. Sloan.

Analyses were performed in the NBS Analytical Chemistry Division by J. R. Baldwin, S. A. Wicks, R. K. Bell, K. M. Sappenfield, and E. L. Garner.

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J. Paul Cali, Chief
Office of Standard Reference Materials