U. S. Department of Commerce
Frederick B. Dent
Secretary

National Bureau of Standards
Richard W. Roberts, Director

National Bureau of Standards
Certificate of Analysis
Standard Reference Material 13 g
0.6% Carbon Steel

Element	Percent by Weight
Carbon	0.613
Manganese	.853
Phosphorus	.006
Sulfur	.031
Silicon	$.35_5$
Copper	.066
Nickel	.061
Chromium	.050
Vanadium	.001
Aluminum (Total)	$.04_8$

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. For a subscript figure, the deviation is not expected to be more than ±5.

The material for this SRM was provided by the Republic Steel Corporation, Cleveland, Ohio.

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.

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

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J. Paul Cali, Chief
Office of Standard Reference Materials