

National Bureau of Standards

Certificate of Analysis

Standard Reference Material 8j

Bessemer Steel (Simulated), 0.1% Carbon

This standard is in the form of chips sized between 18- and 35-mesh sieves. It is intended for use in chemical methods of analysis.

| Element | Percent |
|------------|---------|
| Carbon | 0.081 |
| Manganese | .505 |
| Phosphorus | .095 |
| Sulfur | .077 |
| Silicon | .06 |
| Copper | .020 |
| Nickel | .113 |
| Chromium | .047 |
| Vanadium | .016 |
| Molybdenum | .040 |

PROVISIONAL CERTIFICATION: The value listed for a certified element is the present best estimate of the true value based on the results of the cooperative analytical program.

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

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

Washington, D. C. 20234
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J. Paul Cali, Chief
Office of Standard Reference Materials

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MATERIAL: The material for this standard was prepared at the Carpenter Technology Corporation, Reading, Pennsylvania.

Analyses were performed by S. A. Wicks, R. K. Bell, and E. R. Deardorff at the National Bureau of Standards. Cooperating laboratories were: Bethlehem Steel Corp., Sparrows Point, Maryland, R. H. Rouse; Inland Steel Co., East Chicago, Indiana, R. W. Bley; U. S. Army Materials and Mechanics Research Center, Watertown, Mass., F. P. Valente and E. F. Jacobson.