

# Certificate of Analysis

## CAST IRON REFERENCE MATERIALS

*analysis listed as percent by weight*

B.S. No.	280	281	B.S. No.
C	3.48	3.35	C
Mn	0.46	0.51	Mn
P	0.035	0.037	P
S	0.008	0.008	S
Si	2.05	1.85	Si
Cu	0.11	0.13	Cu
Ni	0.055	0.067	Ni
Cr	0.11	0.11	Cr
Mo	0.012	0.011	Mo
Sn	0.01	0.01	Sn
Ti	0.008	0.011	Ti
Mg	0.032	0.064	Mg

These reference materials have been cast on a copper base mold to produce a rapid unidirectional solidification. The certified portion is the portion extending upward 10 mm from the larger diameter surface. Three laboratories cooperated in the testing of these materials. These reference materials are intended for use in checking the analytical curves of optical emission and x-ray spectrometers.

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