



Distributed by:
Labmix24 GmbH
Industriestraße 18A
D-46499 Hamminkeln
Germany

Tel: +49 (0) 2852 96064 00
FAX: +49 (0) 2852 96064 24
Web: www.labmix24.com
E-Mail: info@labmix24.com



Certificate of Certified Reference Material

NCS HC 45916

Iron Bronze

Reissued in 2005

Approved by China National Analysis Center for Iron and Steel

(Beijing China)

Certified Values and Uncertainty

(%)										
No.		Cu	Fe	Mn	Al	Sn	Pb	Sb	Bi	P
NCS HC 45916	Certified Value	58.00	0.89	0.73	0.26	0.54	0.19	0.0091	0.0024	0.0076
	Standard Deviation	0.04	0.02	0.02	0.01	0.01	0.01	0.0002	0.0001	0.0004

Note:

1. Each certified value is the mean of analytical results of 6 independent laboratories.
2. The sample is chips packed in glass bottle. The minimum package is 100 grams.
3. The sample should be stored in dry and clean place.

Analytical Methods

Element	Analytical Methods
Cu	Electrolytic gravimetric method; Iodimetric method
Fe	Potassium dichromate titrimetric method; EDTA-H ₂ O ₂ photometric method
Mn	Permanganate photometric method; Atomic absorption spectrometry
Al	The chrome azuol S photometric method; Atomic absorption spectrometry
Sn	Iodimetric method
Pb	Atomic absorption spectrometry; Dithizone photometric method
Sb	Crystal violet photometric method; Atomic absorption spectrometry
Bi	Atomic absorption spectrometry; Potassium iodide photometric method
P	Molybdenum blue photometric method; Quinoline-phosphomolybdate gravimetric method



Professor Wang Haizhou, Chief
China National Analysis Center for Iron and Steel

GBW No. of this sample is GBW02101