

Certificate of Certified Reference Material

NCS HC 25627

Ferrosilicon

Reissued in 2014

Approved by China National Analysis Center for Iron and Steel

(Beijing China)

Certified Values and Standard Deviation

(%)

No.		Si	Al	P	Mn	Cr	Ca	C	S
NCS HC	Certified Value	76.74	1.80	0.023	0.172	0.140	0.30	0.081	0.004
25627	Standard Deviation	0.14	0.03	0.001	0.007	0.004	0.02	0.005	0.001

Note:

1. Each certified value is the mean of analytical results of 7 independent laboratories
2. The sample is powder packed in glass bottle. The minimum package is 50 grams.
3. The sample should be stored at cool, dry and dark place.
4. The valid time of the sample is 10 years, although we reserve the right to make change as issue revisions.

Analytical Methods

Element	Methods
Si	Gravimetric method
Al	EDTA volumetric method; Chromazurol S photometric method
P	Hydrazine sulfate phosphomolybdate blue photometric method; Bismuth—phosphomolybdate blue photometric method; The n-butyric alcohol-trichloromethane extraction photometric method
Mn	Potassium periodate photometric method; Atomic absorption spectrometric method; The sodium arsenite-sodium nitrite titrimetric method
Cr	Persulfate oxidation volumetric method
C	Infrared method; Coulometric method; Combustion-nonaqueous titrimetric method; The gasometric method
S	Combustion-iodate titrimetric method; Infrared method; The sulfur ion-selected electrode-potentiometric titrimetric method
Ca	Atomic absorption method; EDTA volumetric method



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