



Certificate of Certified Reference Material

NCS NS 93008c – NS93014

Carbon and Sulfur in Steel

Reissued in 2008

Approved by China National Analysis Center for Iron and Steel

( Beijing China )

## Certified Values and Standard Deviation

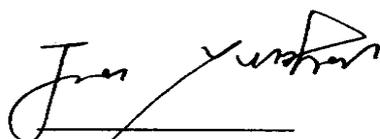
		(%)	
No.		C	S
NCS NS 93008c	Certified Value	0.233	0.030
	Standard Deviation	0.005	0.002
NCS NS 93009	Certified Value	0.310	0.031
	Standard Deviation	0.003	0.001
NCS NS 93010	Certified Value	0.458	0.017
	Standard Deviation	0.003	0.001
NCS NS 93011	Certified Value	0.512	0.0095
	Standard Deviation	0.004	0.0007
NCS NS 93012	Certified Value	0.375	0.046
	Standard Deviation	0.003	0.001
NCS NS 93013b	Certified Value	0.146	0.014
	Standard Deviation	0.003	0.001
NCS NS 93014	Certified Value	0.190	0.030
	Standard Deviation	0.003	0.002

Note:

1. Each certified value is the mean of analytical results of 10 independent laboratories.
2. The sample is chips with size 0.18—0.84mm packed in glass bottle.  
The minimum package is 100 grams. The minimum weight of analysis is 0.5g.
3. The sample should be stored at dry 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	Analytical method
C	Combustion-infrared absorption method; Absorption gravimetric method; Gasometric method;
S	Combustion-infrared absorption method; Iodate titrimetric method, Gravimetric method;



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