

Certificate of Certified Reference Material

NCS NS 20035b

Oxygen and Nitrogen in Steel

Issued in 2012

Approved by China National Analysis Center for Iron and Steel

(Beijing China)

Certified Values and Standard Deviation

μ g/g (ppm)

No.		O	N
NCS NS 20035b	Certified Values Standard Deviation	22 2	61 2

Note :

1. The certified value is the mean of analytical results of 8 independent laboratories.
2. The sample is ball with size Ø5.5mm and each ball weight is about 1.0g, 50pieces/bottle.
3. The face of the sample had been anti-erode treated. The sample should be washed by ether before use.
4. The sample should be stored at dry place.
- 5..The valid time of the sample is 15 years, although we reserve the right to make change as issue revisions.

Analytical Methods

Oxygen:

Coulombic method; Infrared absorption method
(EMGA-620, LECO TC-600, TC-436, RO-416)

Nitrogen:

Thermal conductometric method; Nessler photometric method after distillation
(EMGA-620, LECO TC-4136, TC-600, TN-114)



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