

Certificate of Certified Reference Material

NCS NS 21002b

O, N in Bearing Steel

Issued in 2010

Approved by China National Analysis Center for Iron and Steel

(Beijing China)

Certified Values and Standard Deviation (%)

No.		O	N
NCS NS 21002b	Certified Value	0.00115	0.0055
	Standard Deviation	0.00010	0.0002
	Sample weight	1.065 ± 0.003g/ball	

- Note :
- 1.The certified value of oxygen in bearing steel is the mean of analytical results of 8 independent laboratories. Each laboratory provided 8 analytical results.
 - 2.The certified value of nitrogen in bearing steel is the mean of analytical results of 8 independent laboratories. Each analytical laboratory provided 8 analytical results.
 - 3.The sample is sphere with diameter 6.27mm packed in bottle.
The minimum package is 50 pieces/bottle.
 - 4.The sample should be washed with ether before use.
 - 5.The sample should be stored at dry place.
 - 6.The valid time of the sample is 10 years. although we reserve the right to make change as issue revisions.

Analytical Methods

Oxygen:

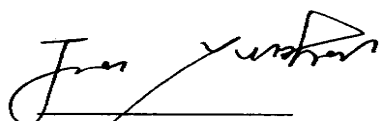
Pulse coulombic method

Pulse infrared method

Nitrogen:

Distillation separation-Indophenol blue photometric method

Pulse thermal conductometric method



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