

BSL**SPECTRO LAB****METALLURGICAL TESTING CENTRE****(NABL ACCREDITED LAB)****(An Unit of BSL Castings Pvt. Ltd.)****TEST REPORT****WORKS & OFFICE :**

PLOT NO. 263, SECTOR-24

FARIDABAD-121005 (INDIA)

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IFICATE NO.
52 & T- 1453**BSL/SPECTRO/5.10F-01/01/00**

to : M/s. Nov Sara India (P) Ltd.
7/1, Pritam Road, Unit - II
Dehra Dun - 248001

Report No. 115301
Ref. No. Nil

D.O.T. : 25.02.2009
D.O.R. : 25.02.2009
J.O. No. : 35616

Sample Description

Sample No. - 2749, Heat No. - 809963, Dia - 45mm

RESULTS**Chemical Analysis**

Sample ID; J.O.No. - 35616

By Spectrometer (ASTM E1507;1998)

<u>Element</u>	<u>%</u>
Carbon	0.098
Silicon	0.257
Sulphur	0.021
Phosphorus	0.035
Manganese	0.482
Nickel	0.018
Chromium	0.175
Molybdenum	0.001
Vanadium	0.000
Copper	0.002
Tungsten	0.000
Cobalt	0.001
Aluminium	0.018
Titanium	0.001
Iron	98.88

Checked By

Authorised Signatory
(Q.M. / T.M.)

1. The result listed refer only to the tested samples and applicable parameters, Endorsement of product is neither inferred nor implied.
2. Total Liability of our Laboratory is limited to the invoiced amount. No liability will be accepted after the sample is taken back.
3. This report can not be used as an evidence in a court of law.
4. Samples will be destroyed after 15 days.
5. Any Complaints about this report should be communicated within 7 days of issue of this report.
6. This report shall not be reproduced except in full, without the written permission of the Laboratory.
7. *Not Covered under NABL Scope



TEST CERTIFICATE

Product/Size :	45 mm Round	Customer :
T.C.No.: QMS/R/QAD/RM/15/M004964 - 1	Dt. 19/02/2009	NOV SARA INDIA PVT. LTD. UNIT-II
Order No. EMPA355008010		DEHRADUN
Invoice No.: 2008001168		
Wagon/Truck No.: PB23C 9631		Invoice Wt. (T): 41.480

HEAT NO	809963
No Of Pcs/Bundles	4
C %	0.05
Mn %	0.48
P %	0.024
S %	0.016
Si %	0.170
Al %	0.024
C.E. (IF APPLICABLE)	0.13
YS (N/mm ²)	247
UTS (N/mm ²)	382
%EL	31
%RA	NA
OTHERS	NA
BEND TEST	NA
GRADE	SAE1008

AVERAGE WEIGHT OF EACH BUNDLE IS 10.370 TONS APPROXIMATELY

The material supplied conform to the standard rolling and weight tolerances.

[Signature]
RASHTRIYA ISPAT NIGAM LTD.
1st Floor, 27-E.C. Road, Dehradun
DEHRADUN-248 001