

BSL**SPECTRO LAB**

CERTIFICATE NO.
T - 1452 & T - 1453

METALLURGICAL TESTING CENTRE

(A Unit of BSL Castings Pvt. Ltd.)
(NABL ACCREDITED LAB)

TEST REPORT

WORKS & OFFICE :
PLOT NO. 203, SECTOR-24,
FARIDABAD - 121 005 (INDIA)
Ph. No. : 0129-4199900
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BSL/SPECTRO/5.10F-01/01/00

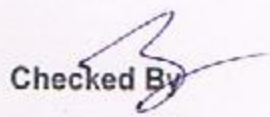
Issued to : M/s. Sara Sae Pvt. Ltd. Report No. 211795 D.O.T. : 25.03.2013
7/1, Pritam Road, Unit - II, Ref. No. Nil D.O.R. : 25.03.2013
Dehra Dun - 248001
Sample Description : Sample No. - 8342, Heat No. - 211545, Dia - 65.0mm J.O. No. : 65280

RESULTS

Chemical Analysis (Fe Base - LAS)
Protocol : ASTM E 415:2008 (By O.E.S)

Sample ID: J.O.No. - 65280/3

<u>Element</u>	<u>%</u>
Carbon	0.086
Silicon	0.276
Sulphur	0.013
Phosphorus	0.032
Manganese	0.465
# Nickel	0.002
# Chromium	0.009
# Molybdenum	0.001
# Vanadium	0.001
# Copper	0.003
# Tungsten	0.001
# Cobalt	0.001
# Aluminium	0.023
# Lead	0.000
# Titanium	0.000
# Boron	0.000

Checked By 


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

- Note :**
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. *Not Covered under NABL Scope.
 4. This report can not be used as an evidence in a court of law.
 5. Samples will be destroyed after 15 days.
 6. Any Complaints about this report should be communicated within 7 days of issue of this report.
 7. This report shall not be reproduced except in full, without the written permission of the Laboratory.
 8. # Results found outside the range of NABL accredited scope.



RASHTRIYA ISPAT NIGAM LIMITED

VISAKHAPATNAM STEEL PLANT

Quality Assurance & Technology Development Department, Visakhapatnam

TEST CERTIFICATE

Product/Size : 65 mm Round	Customer :
T.C.No.: QMS/R/QAD/RM/15/M005312 - 2	Dt. 12/03/2013
Order No. EMPC428012004	SARA SAE PRIVATE LIMITED UNIT - 11
Invoice No.: 2012002718	DEHRADUN
Wagon/Truck No.: HR04N 1233	Invoice Wt.(T): 27.880

HE NO	211545
No Of Pcs/Bundles	3
C %	0.06
Mn %	0.40
P %	0.022
S %	0.022
Si %	0.250
Al %	0.030
C.E. (IF APPLICABLE)	0.13
YS (N/mm ²)	247
UTS (N/mm ²)	366
%EL	35
%F	NA
OTHERS	NA
BEND TEST	
GRADE	SAE1008

AVERAGE WEIGHT OF EACH BUNDLE IS 9.293 TONS APPROXIMATELY
The material supplied conform to the standard rolling and weight tolerances.

For Sign (Signature)
Visakhapatnam Steel Plant
RASHTRIYA ISPAT NIGAM LTD.
(A GOVT OF INDIA ENTERPRISE)
1st Floor, 27-E.C.ROAD
DEHRADUN-248 001