BSL SPECTRO LAB

&

METALLURGICAL TESTING CENTRE

(A Unit of BSL Castings Pvt. Ltd.)

(NABL ACCREDITED LAB)

CERTIFICATE NO.
T - 1452 & T- 1453

WORKS & OFFICE :
PLOT NO. 263, SECTOR-24,
FARIDABAD - 121 005 (INDIA)
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TEST REPORT

BSL/SPECTRO/5.10F-01/01/00

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

Report No. 10772

Ref. No. Nil

D.O.T. : 19.09.2013

D.O.R. : 16.09.2013

J.O. No. : 2872

Sample Description. : Sample No. - 8694, Heat No. - 306291, Dia - 56.0mm

RESULTS

Chemical Analysis (Fe Base - LAS) Sample ID; J.O.No. - 2872/2
Protocol : ASTM E 415:2008 (By O.E.S)

Element	%
Carbon	0.095
Silicon	0.162
Sulphur	0.014
Phosphorus	0.017
Manganese	0.385
# Nickel	0.004
# Chromium	0.008
# Molybdenum	0.001
# Vanadium	0.001
# Copper	0.001
# Tungsten	0.001
# Cobalt	0.001
Aluminium	0.012
# Titanium	0.001
# Boron	0.000

BSL METALLURGICAL TESTING CENTRE 263, SECTOR-24, FARIDABAD

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

SAE1010

VISAKHAPATNAM STEEL PLANT

Quality Assurance & Technology Development Department, Visakhapatnam

TEST CERTIFICATE

Product/Size :	56 mm Round		Customer :
T.C.No.: QMS/R/QAD/RM/15/M002830	6	Dt. 10/09/2013	SARA SAE PRIVATE LIMITED UNIT - II
Order No.	KMP3236009054		DEHRADUN
Invoice No.:	2013000921		
Wagon/Truck No.:	UA07B0607		Invoice Wt.(T): 9.420

HEAT NO	306291
No Of Pcs/Bundles	1
C %	0.10
Mn %	0.46
P %	0.020
S %	0.006
Si %	0.160
Al %	0.078
C.E. (IF APPLICABLE)	0.18
YS (N/mm^2)	259
UTS (N/mm^2)	390
%EL	31
%RA	NA
OTHERS	NA
BEND TEST	NA
GRADE	SAE1010

AVERAGE WEIGHT OF EACH BUNDLE IS 9.420 TONS APPROXIMATELY

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

for HOD(QA & TD)
Visakhapatnam Steel Plant

RASHTRIYA ISPAT NIGAM LTD.
(A GOVT.OF INDIA ENTERPRISE)
1st Floor, 77-E.C.ROAD
DEHRADUN-248 001