



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. 263, SECTOR-24,  
FARIDABAD - 121 005 (INDIA)  
Ph. No. : 0129-4189800  
FAX No. : +91-129-4065535  
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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.	13579	D.O.T. :	31.10.2013
Sample Description. :	Sample No. - 8874, Heat No. - R-793	Ref. No.	Nil	D.O.R. :	30.10.2013
				J.O. No. :	3597

### RESULTS

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

Sample ID: J.O.No. - 3597

Element	%
Carbon	0.045
Silicon	0.568
Sulphur	0.013
Phosphorus	0.033
Manganese	1.401
Nickel	10.25
Chromium	16.40
Molybdenum	2.112
Vanadium	0.068
Copper	0.347
Tungsten	0.051
Cobalt	0.236
# Aluminium	0.010
# Titanium	0.013
# 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.

## TEST CERTIFICATE

TC No.: P-193

Date : 14.10.13

INVOICE NO: 329

Customer Name &amp; Address :

M/S SARA SAE P.LTD  
DEHRADUN

Supply Condition :

AS ROLLED

## CHEMICAL ANALYSIS IN PERCENTAGE

H.NO	Grade	C	Si	Mn	P	S	Cr	Mo	Ni	N	Size(MM)	Pc	Weight	Colour Code
R-793	AISI-316	.078	.52	1.53	.033	.016	16.62	2.04	10.00	.0571	90	14	3685	BLUE
R-794	AISI-316	.058	.54	1.45	.030	.012	17.03	2.01	10.28	.0540	90	7	1850	BLUE

Manufacturing Route: Electric Induction Furnace

Ultrasonic testing as per ASTM A 388

Material is free from residual radioactive elements.

Lead not added during manufacturing.

We are Confirming that the Test Certificate findings are Correct &amp; Results are as per Standard / Customer's Requirements.



Lab Incharge

Quality Controller