

**BSL****SPECTRO LAB****METALLURGICAL TESTING CENTRE**

(A Unit of BSL Castings Pvt. Ltd.)

(NABL ACCREDITED LAB)

**&****TEST REPORT****WORKS & OFFICE**

PLOT NO. 263, SECTOR 24,  
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BSL/SPECTRO/S.10F-01/01/00

CERTIFICATE NO.  
T - 1452 & T - 1459

Issued to :	M/s. Sara Sae (P) Ltd. 7/1, Pritam Road, Unit - II Dehra Dun - 248001	Report No.	16455	D.O.T. :	16.12.2013
		Ref. No.	Nil	D.O.R. :	14.12.2013
Sample Description. :	Sample No. - 9008, Heat No. - R-798			J.O. No. :	4278

**RESULTS**

Chemical Analysis (Fe Base - SS)  
Protocol : ASTM E 1086:2008 (By O.E.S)

Sample ID: J.O.No. - 4278/2

<u>Element</u>	<u>%</u>
Carbon	0.060
Silicon	0.552
Sulphur	0.013
Phosphorus	0.032
Manganese	1.512
Nickel	10.31
Chromium	16.90
Molybdenum	2.175
Copper	0.337
Tungsten	0.042
Cobalt	0.197
* Niobium	0.045
Titanium	0.022

*[Signature]*  
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.

12880

## TEST CERTIFICATE

TC No.: P-199

Date : 16.11.13

INVOICE NO: 335

Customer Name & 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	Pc	Weight	Colour Code
R-797	AISI-316	.064	.46	1.50	.030	.011	16.90	2.02	10.08	.0561	66 MM	30	4745	BLUE
R-798	AISI-316	.061	.48	1.53	.031	.013	16.78	2.04	10.11	.0542	66 MM	29	4530	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 & Results are as per Standard / Customer's Requirements.

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Lab Incharge



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Quality Controller