


**METALLURGICAL TESTING CENTRE**

( A Unit of BSL Castings Pvt. Ltd. )

( NABL ACCREDITED LAB )

 CERTIFICATE NO.  
T - 1452 & T- 1453

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

 PLOT NO. 263, SECTOR-24,  
FARIDABAD - 121 005 (INDIA)  
Ph. No. : 0129-4189800  
FAX No. : +91-129-4065535  
E.mail : castings@bsltd.net

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.	13868	D.O.T. :	05.11.2013
		Ref. No.	Nil	D.O.R. :	
Sample Description. :	Sample No. - 8880, Heat No. - J-94, Ingot 4"X5"			J.O. No. :	02.11.2013
				J.O. No. :	3641

**RESULTS**

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

Sample ID; J.O.No. - 3641/5

<u>Element</u>	<u>%</u>
Carbon	0.055
Silicon	0.785
Sulphur	0.012
Phosphorus	0.027
Manganese	1.185
Nickel	10.15
Chromium	16.20
Molybdenum	2.237
Copper	0.315
Tungsten	0.045
Cobalt	0.157
Niobium	0.082
# Titanium	0.014

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 : 63	Invoice No: 161	Date : 15-11-2013
<b>Customer Name and Address:</b> Sara Industrial Estate Ltd Chakrata Road Rampur Dehradun (Uttarakhand)		Sara Sae Pvt. Ltd. A-2
<b>Supply condition:</b> As Ingots		

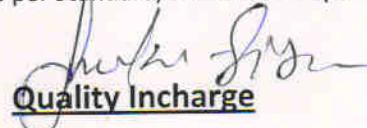
### Chemical Analysis

Elements	C	Mn	P	S	Cr	Mo	Ni	Heat No	PC S.	Weight	Grade	Size	Colour
Result	.062	1.18	.035	.012	16.67	2.01	10.05	J-93	16	1470	SS316	95kg	Blue/Pink
Result	.064	1.21	.036	.012	16.85	2.02	10.02	J-94	16	1480	SS316	95kg	Blue/Yellow
Result	.059	1.21	.039	.010	16.09	2.04	10.05	L-25	17	1580	SS316	95kg	Blue/Green
Result	.067	1.18	.042	.013	16.34	2.02	10.02	L-28	18	1655	SS316	95kg	Blue/White
Result	.062	1.14	.043	.015	16.68	2.04	10.04	M-33	12	1130	SS316	95kg	Blue/Yellow/Red
Result	.066	1.13	.045	.015	16.64	2.04	10.03	M-35	12	1140	SS316	95kg	Blue/Yellow/Green

#### Remarks:

1. Manufacturing Route: Induction Furnace
2. Material is free from residual radioactive elements.
3. Lead not added during manufacturing.

We are confirming that test result findings are correct and results are as per standard/customers requirement.



Quality Incharge