



### 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. : 0129-4109900  
FAX No. : +91-129-4666666  
E-mail : castings@bsltd.net

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

Issued to :	M/s. Saro Saro (P) Ltd. 7/1, Pritam Road, Unit - II Dehra Dun - 248001	Report No.	13037	D.O.T. :	22.10.2013
		Ref. No.	Nil	D.O.R. :	21.10.2013
Sample Description. :	Sample No. - 8834, Heat No. - J-38, Ingot 4"X5"			J.O. No. :	3439

### RESULTS

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

Sample ID, J.O. No. - 3439/4

Element	%
Carbon	0.065
Silicon	0.537
Sulphur	0.013
Phosphorus	0.030
Manganese	1.095
Nickel	10.18
Chromium	16.22
Molybdenum	2.116
Copper	0.352
Tungsten	0.044
Cobalt	0.147
Niobium	0.079
Titanium	0.011

  
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.



**PSI**  
Paras Steel Industries

11682

Test Certificate

TC No : 61	Invoice No: 138	Date : 13-10-2013
<b>Customer Name and Address:</b> Estate Ltd Chakrata Road Rampur Dehradun (Uttarakhand)		Sara Sae Pvt. Ltd. A-2 Sara Industrial
<b>Supply condition:</b> As Ingots		

Chemical Analysis

Elements	C	Si	Mn	P	S	Cr	Mo	Ni	Nb	Heat No	PC S.	Weight	Grade	Size	Colour
result	.054	.47	1.25	.020	.006	16.09	2.05	10.04	.043	J-34	18	1690	SS316	95kg	Blue/Pink
Result	.072	.50	1.16	.022	.008	16.17	2.02	10.05	.014	J-36	11	1025	SS316	95kg	Blue/Yellow
Result	.057	.49	1.20	.020	.005	16.40	2.02	10.03	.071	J-37	11	1035	SS316	95kg	Blue/Red
Result	.072	.51	1.16	.024	.008	16.48	2.03	10.05	.063	J-38	11	1025	SS316	95kg	Blue/White
Result	.055	.45	1.18	.026	.010	16.25	2.02	10.04	.045	J-33	18	1680	SS316	95kg	Blue/Black
Result	.065	.51	1.13	.027	.009	16.07	2.03	10.03	.032	J-31	17	1620	SS316	95kg	Blue/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

QH  
Parashakti  
13/10/13