

**BSL****SPECTRO LAB**

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  
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.	203458	D.O.T. :	02.11.2012
		Ref. No.	Nil	D.O.R. :	01.11.2012
Sample Description. :	Sample No. - 8072, Round Dia - 56.0mm Heat No. - T-98			J.O. No. :	62931

## **RESULTS**

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

Sample ID; J.O.No. - 62931/1

<u>Element</u>	<u>%</u>
Carbon	0.054
Silicon	0.436
Sulphur	0.015
Phosphorus	0.032
Manganese	1.132
Nickel	10.22
Chromium	16.26
Molybdenum	2.015
Copper	0.376
Tungsten	0.042
Cobalt	0.182
# Niobium	0.029
# Titanium	0.017

**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**  
Test Certificate

TC No : 25	Invoice No:214	Date : 03-11-2012
Customer Name and Address: Behind Radha Swami, Satsang Ghar, G.T. Road, Goraya		Sara Sae Pvt. Ltd., (Unit-IV)
Supply condition: As Round		


Chemical Analysis

Elements	C	Si	Mn	P	S	Cr	Mo	Ni	Nb	Heat No	Grade	Size	Colour
Result	.053	.44	1.18	.041	.012	16.42	2.03	10.02	.009	T-98	SS316	56mm	Red
Result	.062	.45	1.11	.039	.015	16.45	2.02	10.03	.008	T-99	SS316	56mm	Green
Result	.063	.45	1.17	.043	.015	16.52	2.01	10.03	.012	T-100	SS316	56mm	White
Result	.065	.46	1.17	.041	.014	16.43	2.03	10.06	.013	T-101	SS316	56mm	Pink
Result	.065	.48	1.16	.037	.012	16.64	2.04	10.05	.018	T-102	SS316	56mm	Blue/Green
Result	.061	.46	1.17	.041	.014	16.48	2.02	10.07	.017	T-103	SS316	56mm	Pink/Blue
Result	.054	.43	1.19	.040	.015	16.60	2.05	10.02	.015	U-2	SS316	40mm	Blue
Result	.056	.48	1.17	.041	.017	16.89	2.01	10.02	.019	U-3	SS316	40mm	Pink

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