

**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.	206183	D.O.T. :	20.12.2012
		Ref. No.	Nil	D.O.R. :	19.12.2012
Sample Description. :	Sample No. - 8145, Heat No. - D2911			J.O. No. :	63626

## **RESULTS**

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

Sample ID; J.O.No. - 63626/2

<u>Element</u>	<u>%</u>
Carbon	0.068
Silicon	0.701
Sulphur	0.017
Phosphorus	0.035
Manganese	0.985
Nickel	10.17
Chromium	16.89
Molybdenum	2.061
Copper	0.393
Tungsten	0.058
Cobalt	0.440
# Niobium	0.030
Titanium	0.030

**Checked By**



**Authorised Signatory**  
( Q.M. / T.M. )

- Note :**
- The result listed refer only to the tested samples and applicable parameters, Endorsement of product is neither inferred nor implied.
  - Total Liability of our Laboratory is limited to the invoiced amount. No liability will be accepted after the sample is taken back.
  - \*Not Covered under NABL Scope.
  - This report can not be used as an evidence in a court of law.
  - Samples will be destroyed after 15 days.
  - Any Complaints about this report should be communicated within 7 days of issue of this report.
  - This report shall not be reproduced except in full, without the written permission of the Laboratory.
  - # Results found outside the range of NABL accredited scope.



## MATERIAL TEST CETIFICATE

ATE NO.:	KSL-4118/12-13	CUSTOMER: M/S SARA SAE PVT LTD JALANDHAR (PUNJAB)
	09.12.2012	
O.:	D 2911	
IFICATION:	AISI 316	P.O NO. & DATE: 2804 Dated 23.10.2012
ICE NO. & DATE:	543 Date 09.12.2012	

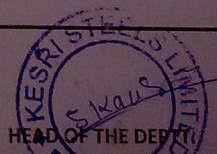
SL. NO.	ITEM DESCRIPTION	QTY.
1	S S ROUND DAI 70 MM	25
	GRADE COLOR CODE (PINK)	
	HEAT COLOR CODE (YELLOW)	

## CHEMICAL COMPOSITION

PERCENT	REQD. MIN.	REQD. MAX	ACTUAL VALUE
C		0.08	0.069
Mn		2.00	1.47
Si		1.00	0.48
P		0.045	0.030
S		0.030	0.024
Cr	16.00	18.00	16.21
Ni	10.00	14.00	10.12
Mo	2.00	3.00	2.09
V			
Ti			
Cu			
Al			

## REMARKS

The Steel has been made by Electric Furnace which is fully killed by Al & Si. It has fine grain structure.



PREPARED BY

Registered Office :

& JU - 26/1, Pitampura,  
elhi - 110088 (INDIA)

Telefax : + (91) 11 27343847  
Support : + (91) 9810112977

Works :

A - 350, Phase-I, Riico Industrial Area,  
Bhiwadi - 301019, Rajasthan (INDIA)

Phone : + (91) 1493 220442  
Fax : + (91) 1493 220562

WEB : WWW.KSL.IN  
E-MAIL : INFO@KSL.IN