

**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. 210838

Ref. No. Nil

Sample No. - 8310, Heat No. - R-736, Round Dia - 56.0mm

D.O.T. : 09.03.2013

D.O.R. : 08.03.2013

J.O. No. : 64975

Sample Description. :

## **RESULTS**

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

Sample ID; J.O.No. - 64975/1

<u>Element</u>	<u>%</u>
Carbon	0.061
Silicon	0.514
Sulphur	0.013
Phosphorus	0.031
Manganese	1.465
Nickel	10.17
Chromium	*16.45
Molybdenum	2.153
Copper	0.342
Tungsten	0.051
Cobalt	0.175
# Niobium	0.033
# Titanium	0.010

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.: P-141

Date : 12.03.2013

INVOICE NO: 472

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-736	AISI-316	.074	.51	1.51	.035	.018	16.41	2.08	10.08	.0576	56MM	40	4140	BLUE
R-737	AISI-316	.061	.49	1.39	.038	.017	16.62	2.08	10.13	.0548	56MM	40	4135	BLUE
R-738	AISI-316	.055	.49	1.48	.037	.015	16.68	2.08	10.11	.0588	56MM	20	2075	BLUE

Remarks :

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.

Lab Incharge

Quality Controller

