

BSL**SPECTRO LAB****METALLURGICAL TESTING CENTRE**(A Unit of BSL Castings Pvt. Ltd.)
(NABL ACCREDITED LAB)**&****TEST REPORT**CERTIFICATE NO.
T - 1452 & T - 1453WORKS & 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 | D.O.T. : | 09.03.2013 |
| | | Ref. No. | Nil | D.O.R. : | 08.03.2013 |
| Sample Description. : | Sample No. - 8310, Heat No. - R-736, Round Dia - 56.0mm | | | | J.O. No. : 64975 |

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.

GE 1017

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