



**BSL**  
**PHILIPENDRA STEELS (P) LIMITED**  
**SPECTRO LAB & METALLURGICAL TESTING CENTRE**

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## TEST REPORT

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

|                    |                                                                                                  |            |       |            |            |
|--------------------|--------------------------------------------------------------------------------------------------|------------|-------|------------|------------|
| Issued to :        | M/s. Sara Services & Engineers (P) Ltd<br>7/1, Pritam Road, Division - II,<br>Dehra Dun - 248001 | Report No. | 80414 | D.O.T. :   | 17.08.2007 |
|                    |                                                                                                  | Ref. No.   | 254   | D.O.R. :   | 17.08.2007 |
| Sample Description | Sample No. - 137 (Ref No. - BL/0400/07) Heat No. - AP5B                                          |            |       | J.O. No. : | 25540      |

## RESULTS

**Chemical Analysis**      Sample ID: J.O.No. - 25540/2  
 By Spectrometer (ASTM E1507,1998)

| Element    | %     |
|------------|-------|
| Carbon     | 0.070 |
| Silicon    | 0.347 |
| Sulphur    | 0.016 |
| Phosphorus | 0.027 |
| Manganese  | 1.035 |
| Nickel     | 10.16 |
| Chromium   | 16.38 |
| Molybdenum | 2.091 |
| Vanadium   | 0.047 |
| Copper     | 0.309 |
| Tungsten   | 0.051 |
| Cobalt     | 0.147 |
| Aluminium  | <0.01 |
| Titanium   | <0.02 |
| Iron       | 69.28 |



CERTIFICATE NO. 1080  
 NABL ACCREDITED LAB.

Checked By



Authorised Signatory

- 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.
- 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.
- Not Covered under NABL Scope



# AVTAR STEEL PVT. LTD.

A-131, WAZIRPUR INDUSTRIAL AREA, DELHI-110052 Phone No. : 27377237 to 41 Fax-011-27374662

## TEST CERTIFICATE

CUSTOMER : M/S. S. AKUMBRI TRADERS  
CERTIFICATE : 488

DATE : 03-08-2007

D.O. No. & DATE : 11/8/07

| GRADE<br>AISI | H.NO. | NO. OF<br>PCS. | COLOUR<br>CODE | QUANTITY  | C<br>% | SI<br>% | MN<br>% | P<br>% | CU<br>% | S<br>% | NI<br>% | CR<br>% | MO<br>% |
|---------------|-------|----------------|----------------|-----------|--------|---------|---------|--------|---------|--------|---------|---------|---------|
| 316           | AP-5A | 26             | BLUE           | 2520.KGS. | 0.070  | 0.40    | 1.50    | 0.034  | 0.24    | 0.018  | 10.05   | 16.42   | 2.04    |
| 316           | AP-5B | 26             | YELLOW         | 2515.KGS. | 0.069  | 0.41    | 1.52    | 0.035  | 0.25    | 0.016  | 10.06   | 16.39   | 2.03    |
|               |       |                |                |           |        |         |         |        |         |        |         |         |         |
|               |       |                |                |           |        |         |         |        |         |        |         |         |         |
|               |       |                |                |           |        |         |         |        |         |        |         |         |         |
|               |       |                |                |           |        |         |         |        |         |        |         |         |         |
|               |       |                |                |           |        |         |         |        |         |        |         |         |         |

Remark :- Material Confirms as under AISI GRADE - 316 GR.

### DESPATCH DETAIL :

|              |              |
|--------------|--------------|
| TYPE OF MAT. | INGOT        |
| SIZE ( MM )  | 102X127X1020 |
| TRUCK No.    | HR58A-4627   |

