

BSL



BHUPENDRA STEELS (P) LIMITED

SPECTRO LAB & METALLURGICAL TESTING CENTRE

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TEST REPORT

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

Order to :	M/s. Nov Sara India (P) Ltd.	Report No.	33030	D.O.T. :	31.01.2007
	7/1, Pritam Road, Unit - II	Ref. No.	Nil	D.O.R. :	31.01.2007
	Dehra Dun - 248001			J.O. No. :	20288
Sample Description	Sample No. - 866A (Heat No. -H-904)				

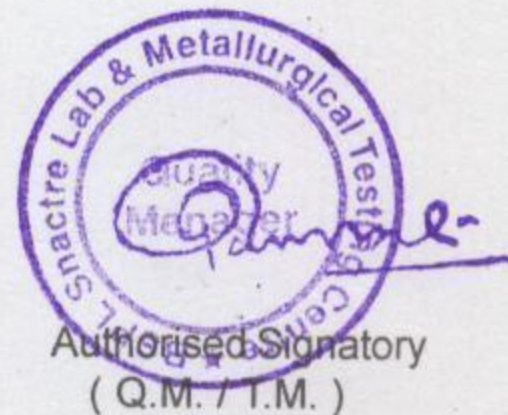
RESULTS

Chemical Analysis

Sample ID; J.O.No. - 20288/10

By Spectrometer (ASTM E1507;1998)

Element	%
Carbon	0.070
Silicon	0.140
Sulphur	0.020
Phosphorus	0.030
Manganese	0.400
Nickel	0.036
Chromium	0.058
Molybdenum	0.011
Vanadium	0.001
Copper	0.059
Tungsten	0.002
Cobalt	0.003
Aluminium	0.017
Magnesium	0.001
Titanium	0.001
Iron	99.32



Checked By

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

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. This report can not be used as an evidence in a court of law.
4. Samples will be destroyed after 15 days.
5. Any Complaints about this report should be communicated with in 7 days of issue of this report.
6. This report shall not be reproduced except in full, without the written permission of the Laboratory.

SHARU STEELS (P) LTD.

B-48 & D-251, Phase-VII, Focal Point, LUDHIANA - 141 010.

E-mail : sharusteels@connect2.dsl.net

AN ISO - 9001 : 2000 CERTIFIED COMPANY

QUALITY ASSURANCE DEPARTMENT

METALLURGICAL TEST REPORT

F-QCD-03



ISO-9001 : 2000
REG NO : R91/1413

Customer
Address

NOV SARA INDIA PRIVATE LIMITED
DEHRADUN UTTARAKHAND

Date

21-12-2007

TEST RESULTS

CERTIFICATE NO. :

GRADE :

SIZE :

SAMPLE NO. :

HEAT NO. :

COLOUR CODE :

QTY/NO. OF BARS

MULTIPLE/FIX LENGTH

1258/12-2007

SAE-1008

INGOT

H 904

A. CHEMICAL ANALYSIS :

C Mn S P Si Ni Cr Mo V Al Cu Ti B

Spec : Low-
High

Obtained

0.07 0.38 0.034 0.039 0.14

0.020

B. METALLOGRAPHIC CHARACTERISTICS :

Inclusion Rating :

(In accordance with IS : 4163) Thin Thick Thin Thick Thin Thick Thin Thick

Grain Size

High Low

(In accordance With IS : 4748)

C. MACRO RESULTS :

(In accordance With ASTM E-381)

D. JOMINY HARDENABILITY : (In accordance with IS : 3848)

E. OTHER SPECIAL TESTS :

F. MECHANICAL PROPERTIES :

Tensile Strength

Yield Strength

% Elongation

% Area Reduction Impact Horizontal/
Vertical

Hardness High/
Low

REMARKS :

For any Quality related issue please contact
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Mobile : 98550-82559
E-mail : jpsingh1@connect2.dsl.net

CHECKED BY

Approved By :

AUTHORISED SIGNATORY

E/SS-46-1