

BSL**SPECTRO LAB**

&

METALLURGICAL TESTING CENTRE

(A Unit of BSL Castings Pvt. Ltd.)

(NABL ACCREDITED LAB)

TEST REPORT**WORKS & OFFICE :**

PLOT NO. 263, SECTOR-24

FARIDABAD-121005 (INDIA)

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Ph. No. : 4065531, 4065532

E-mail : castings@bsltd.net

DATE NO.
 & T-1453

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

M/s. Nov Sara India (P) Ltd.

Report No.

164427

D.O.T. : 07.03.2011

7/1, Pritam Road, Unit - II,

Ref. No.

Nil

D.O.R. : 05.03.2011

Dehra Dun - 248001

Description Sample No. - 5788C, Heat No. - S-91

J.O. No. : 49731

RESULTS**Chemical Analysis** (Fe Base - LAS)

Sample ID; J.O.No. - 49731/147

Protocol : ASTM E 1507 (By O.E.S)

Element**%**

Carbon	0.091 ✓
Silicon	0.152 ✓
Sulphur	0.017 ✓
Phosphorus	0.030 ✓
Manganese	0.409 ✓
Nickel	<0.05
Chromium	0.156
Molybdenum	<0.05
Vanadium	<0.04
Copper	<0.01
Tungsten	<0.02
Cobalt	<0.03
Aluminium	0.018
Magnesium	<0.01
Titanium	<0.02
Iron	99.07

O.K.
 1008

Checked By

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

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



SHARU STEELS (P) LTD.

B-48 & D-251, Phase-VII, Focal Point, LUDHIANA - 141 010.
 E-mail : info@sharusteels.com & sharusteels@connect2.dsl.net
QUALITY ASSURANCE DEPARTMENT
METALLURGICAL TEST REPORT

F-QCD-03



TEST CERTIFICATE

M/S. NOV SARA INDIA PRIVATE LIMITED (UNIT NO.-II)7/1,PRITAM ROAD, DEHRADUN UTTARAKHAND	T.C. No. 0287 Invoice No. Truck No. <i>UA077. 2871.</i>	Date 23-04-2011
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GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY COND.N.	QNTY. M.T.	NO. OF PCS.
AISI1008	30X30 RCS	S-91	L/HT	YELLOW	AS ROLLED	<i>7.645</i>	LOOSE

CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.	-														
Max.	-														
Actual	0.08	0.39	0.026	0.026	0.22					0.029					

METALLURGICAL RESULTS

INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A										Aust. Grain Size ASTM No. (E-112)	7	Gas content (ppm)	
A		B		C		D				Decarb. (MM)		O ₂	
T	H	T	H	T	H	T	H					N ₂	
STD										Micro-Structure	OK	H ₂	
MAX													
ACTUAL	2.0		1.0		1.0		1.5						

MECHANICAL PROPERTIES.

	U.T.S.	Y.S.	EL %	RA %	Impact Value	Hardness B.H.N. / R _a	MACRO	ULTRASONIC TEST	MIX UP TEST
Reqd.							OK	OK	OK
Actual									

HARDENABILITY (HRC) AS PER IS : 3848

Distance											
Regd.											
Actual											

Remarks :

