

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-121005 (INDIA)

Fax No. : +91-129-4065535

Ph. No. : 0129-4189800

E-mail : castings@bsltd.net

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

Issued to : M/s. Nov Sara India (P) Ltd.
7/1, Pritam Road, Unit - II,
Dehra Dun - 248001

Report No. 194298

Ref. No. Nil

Sample Description : Sample No. - 7726, Heat No. - NL/1185, Dia - 75.0mm

D.O.T. : 05.06.2012

D.O.R. : 05.06.2012

J.O. No. : 60268

RESULTS

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

Sample ID; J.O.No. - 60268

<u>Element</u>	<u>%</u>
Carbon	0.048
Silicon	0.380
Sulphur	0.012
Phosphorus	0.028
Manganese	0.832
Nickel	39.20
Chromium	20.83
Molybdenum	2.792
Vanadium	<0.04
Copper	1.782
Tungsten	0.078
Cobalt	0.123
Aluminium	0.027
Titanium	1.172
Iron	32.68

Checked By

263,
SECTOR-24,
FARIDABAD

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.

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

Issued to :	M/s. Nov Sara India (P) Ltd. 7/1, Pritam Road, Unit - II Dehra Dun - 248001	Report No.	194298	D.O.T. :	07.06.2012
		Ref. No.	Nil	D.O.R. :	05.06.2012
Sample Description	Sample No. - 7726, Heat No. - NL/1185, Dia - 75.0mm			J.O. No. :	60268

TEST RESULTS

Tensile Strength - N/mm ² (Psi)	634.00	(91954.09)
Yield Stress - N/mm ² (Psi)	326.00	(47282.39)
Elongation (%)	50.80	
R.A. (%)	72.63	
Hardness BHN	156	

Protocol Used : ASTM A-370

Checked By

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SECTOR-24,
FARIDABAD

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

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CERTIFICATE OF ANALYSIS

N°: L/1185

Date: 11/05/12

Customer M/S. NARENDRA STEELS.
42, ISLAMPURA STREET.
SHOP NO-1, MUMBAI-4.

Order : M/S. SARA SAE PVT. LTD.
DEHRADUN-248001.

This is to certify that the goods

Norm : INCOLLOY ROUND BAR
73 MM DIA

Ref. Alloy: INCOLLOY-825
Cast :
Qt :

have this chemical analysis:

	C%	Si%	Mn%	S%	P%	Cr%	Ni%	Mo%	Cu%
Report	0.012	0.289	0.583	0.010	0.038	19.689	41.020	2.733	1.636
Reference	0.050	0.500	1.000	0.030	-----	19.500 23.500	38.000 46.000	2.500 3.500	1.500 3.000

	Co%	Ti%	Nb%	Al%	V%	Fe%			
Report	0.247	0.809	0.025	0.177	0.000	31.432			
Reference	-----	0.600 1.200	-----	0.200	-----	22.000			

Notes : THE ABOVE MATERIAL CONFIRMS TO INCOLLOY-825.

Q.C. manager :

