

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. 194298 05.06.2012
 7/1, Pritam Road, Unit - II, Report No.
 Dehra Dun - 248001 Ref. No. Nil D.O.T. :
 Sample No. - 7726, Heat No. - NL/1185, Dia - 75.0mm D.O.R. : 05.06.2012
 Sample Description : 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

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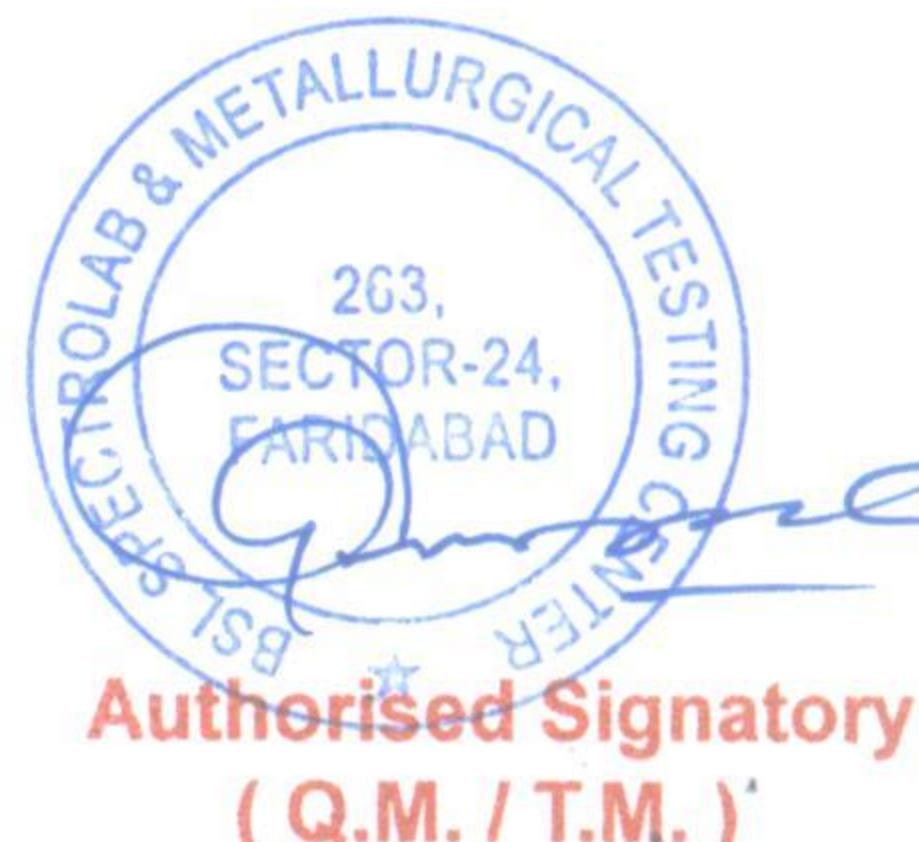
Issued to :	M/s. Nov Sara India (P) Ltd. 7/1, Pritam Road, Unit - II Dehra Dun - 248001	Report No.	194298	D.O.T. :	07.06.2012
		Ref. No.	Nil	D.O.R. :	05.06.2012
Sample Description	Sample No. - 7726, Heat No. - NL/1185, Dia - 75.0mm			J.O. No. :	60268

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

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METALLURGICAL TESTING

LABORATORY SERVICES TM

(AN - ISO - 9001 - 2008 Certified Company)

Recognised by Govt., Public & Private Sector Industries

Narendra Steel



JAS-ANZ



ISO 9001 : 2008 Reg. No. : 3125

O. LAB : 1st Parsiwada Lane, Shop No. 3, Hira Building, Mumbai - 4. Tata-66362676, 67436600 Tel. Fax : 23890458, Email : mtlslab@yahoo.co.in
Website id www.metallurgicaltestinglab.com

Spectro & Wet Chemical Analysis, Physical, Non Destructive & All Type of Metal Testing

CERTIFICATE OF ANALYSIS

No: 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

Report	0.050	0.500	1.000	0.030	-----	19.500	38.000	2.500	1.500
Report	0.247	0.809	0.025	0.177	0.000	23.500	46.000	3.500	3.000

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

Notes : THE ABOVE MATERIAL CONFIRMS TO INCOLLOY-825.

Q.C. manager :

