

TEST REPORT

Issued To : NOV SARA INDIA PVT.LTD.(DIV II)
A/2 SARA INDUSTRIAL ESTATE LTD
CHAKRATA ROAD RAMPUR SELAQUI

Report No.: 100901065/1009010170

Date: 03-Sep-2010

Sample Description :

DOR 01-Sep-2010

S.NO. 5174 TEST SAMPLE H.NO. 10H0613

DEHRA DUN-228197

Phone/Fax: 0135-2699190,2699141
Kind Attn: MR.VIJAY

Your Ref. No. :

ID No – 1009010170

<u>S.N</u>	<u>Name of Tests</u>	<u>Results (%)</u>
1.	CARBON	0.05
2.	SILICON	0.41
3.	MANGANESE	0.36
4.	SULPHUR	0.009
5.	PHOSPHORUS	0.007
6.	NICKEL	40.44
7.	CHROMIUM	20.29
8.	MOLYBDENUM	3.22
9.	TITANIUM	1.09
10.	COPPER	1.52
11.	ALUMINIUM	0.023
12.	IRON	Remainder

Protocol: OES/XRF Spectrometer



NABL ACCREDITED LAB

Analyst

COD-SANJAY GIRI\1\RA000\IA652



Authorised Signatory

TRA-0057259

ISO-9001: 2000 & ISO-14001:2004 & Certified Organisation

Subject to Terms & Conditions Overleaf

M.D. Steels Pvt. Ltd.

Plot No. F- 669 , Phase - II
 RIICO Industrial Area , Bhiwadi, Distt.- Alwar (Rajasthan) 301019
 Phone +91 1493 512079/225495 Fax +91 01493 222483
 Email: mdsteels@ gmail.com Website : www.mdsteels.com

Customer : Nov Sara India Pvt. Ltd, Div - II A/2 Sara Industrial Estate Ltd. Chakrata Road, Rampur Selaqui, DEHRADUN Uttarakhand - 248197	T.C. No.	M 393
	dated	18.08.2010
	Heat No.	10 H0613
	Pour Date	07.07.2010
P. Order : B/MDS/248/10 dated 08.04.2010	Foundry identification	MD
Specification : Incoloy 825, S.E.S. 26- 590	Casting Processed by Induction melting	

CHEMICAL COMPOSITION %

Element	C	Si	Mn	Cr	Ni	Mo	S	Al	Cu	Ti
Minimum				19.50	38.000	2.500			1.500	0.60
Maximum	0.05	0.500	1.000	23.50	46.000	3.500	0.030	0.200	3.000	1.20
Actual	0.048	0.440	0.370	19.70	40.40	2.68	0.0147	0.0134	2.39	0.962

MECHANICAL PROPERTIES

	Y.S	UTS	EL%	Reduction	Charpy At ambient	Bend Test	Hardness		
	Mpa	Mpa	GI= 50mm	Area %	Ambient temp.		HRB		
Min									
Max							93		
Actual							80		

POURING DETAILS

Sl. No.	Job SL No	Description	Job no	Qty.
1		Gasket Ring Joint BX154 Proc. No. GI044	1001-248 I/GRJ/001/10	250 Nos.

Remarks : Visual Inspection Carried out and dimension checked and found Ok.

specification and was found to meet the requirements and also compliance to the purchase order.

Checked by

Approved by

for M. D. Steels Pvt. Ltd.

Quality Control