

BSL

BHUPENDRA STEELS (P) LIMITED
SPECTRO LAB & METALLURGICAL TESTING CENTRE

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TEST REPORT

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

M/s. Nov Sara India (P) Ltd. 7/1, Pritam Road, Unit - II Dehra Dun - 248001	Report No.	100119	D.O.T. :	27.05.2008
Sample Description	Ref. No.	Nil	D.O.R. :	27.05.2008
Sample No. - 1302, Heat No. - A424, Dia - 40.0mm, Kesri Steel			J.O. No. :	31035

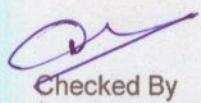
RESULTS

Chemical Analysis

Sample ID; J.O.No. - 31035/5

By Spectrometer (ASTM E1507;2003)

<u>Element</u>	<u>%</u>
Carbon	0.070
Silicon	0.538
Sulphur	0.026
Phosphorus	0.030
Manganese	1.138
Nickel	10.23
Chromium	17.81
Molybdenum	2.015
Vanadium	0.052
Copper	0.330
Tungsten	0.039
Cobalt	0.162
Aluminium	0.007
Titanium	0.008
Iron	67.54


 Checked By



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.



ISO 9001 & 14001 CERTIFIED



Kesri Steels Limited

MATERIAL TEST CERTIFICATE

TC NO. :-KSL-408/08-09	Date : 12/5/2008	Customer : M/S NOV SARA INDIA PVT LTD
Heat No.A-424	Pouring dt.:-	DEHRADUN
Specification:- S.S. 316	P.O. NO.:- B/KES/1832/07	Dtd.:- 14/2/2008

SL. NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	S.S 316 DIA 40 MM	23

CHEMICAL COMPOSITION

PERCENT	C	Mn	Si	P	S	Cr	Ni	Mo	V	Ti	Al	Cu	
AS PER	Min. (%)					16.00	10.00	2.00					
	Max. (%)	0.080	2.00	1.00	0.045	0.030	18.00	14.00	3.00				
Actual Value		0.073	1.51	0.62	0.038	0.022	16.85	10.08	2.05				

HEAT TREATMENT

Condition	Temp. C	Soaking Time Hrs.	Cooling Medium

PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	Y.S. N/mm ²	U.T.S. N/mm ²	ELONG % GL mm	REDN IN AREA %	BEND	HARDNESS	IMPACT (Joules)
AS PER SPEC.	Min.						
	Max.						
Actual Value							

We hereby certify that the items mentioned above have been tested and inspected in our presence and are found to be in accordance with the drawing, specifications, and purchase order.

REMARK

[Large empty box for remarks]

[Signature]
Sign of the Inspecting Officer

[Signature]
Sign of the Chief of Quality Control