

BSL



BHUPENDRA STEELS (P) LIMITED

SPECTRO LAB & METALLURGICAL TESTING CENTRE

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TEST REPORT

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

Client to :	M/s. Nov Sara India (P) Ltd.	Report No.	98878	D.O.T. :	03.05.2008
	7/1, Pritam Road, Unit - II,				
	Dehra Dun - 248001	Ref. No.	Nil	D.O.R. :	03.05.2008
Sample Description	Sample No. - 1125, Heat No. - A-365, Kesari Steel			J.O. No. :	30660

RESULTS

SS-316

OK

Chemical Analysis

Sample ID: J.O.No. - 30660/5

By Spectrometer (ASTM E1507:1998)

Element	%
Carbon	0.078
Silicon	0.527
Sulphur	0.010
Phosphorus	0.022
Manganese	1.283
Nickel	10.02
Chromium	16.28
Molybdenum	2.001
Vanadium	0.052
Copper	0.404
Tungsten	0.026
Cobalt	0.154
Aluminium	0.013
Titanium	0.008
Iron	69.11

Checked By

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

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.



Kesri Steels Limited

ISO 9001 & 14001 CERTIFIED



MATERIAL TEST CERTIFICATE

TC NO. :-KSL-374/07-08	Date : 13/3/2008	Customer : M/S NOV SARA INDIA PVT LTD
Heat No.A-365	Pouring dt.:-	DEHRADUN
Specification:- S.S. 316	P.O. NO :- B/KES/1808/07	Did.:- 11/2/2008

SL. NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	S.S 316 DIA 56 MM	23
2	FB 765	
3		
4		
5		

CHEMICAL COMPOSITION

PERCENT	C	Mn	Si	P	S	Cr	Ni	Mo	V	Ti	Al	Cu
AS PER SPEC. 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	0.070	1.34	0.47	0.020	0.017	17.30	10.02	2.07				

HEAT TREATMENT

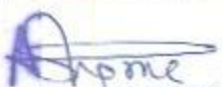
Condition	Temp. C	Soaking Time Hrs.	Cooling Medium

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							

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


Sign of the Inspecting Officer


Sign of the Chief Quality Control