

BSL



JPENDRA STEELS (P) LIMITED

TRO LAB & METALLURGICAL TESTING CENTRE

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TEST REPORT

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

M/s. Nov Sara India (P) Ltd.	Report No.	98874	D.O.T. :	03.05.2008
7/1, Pritam Road, Unit - II,	Ref. No.	Nil	D.O.R. :	03.05.2008
Dehra Dun - 248001			J.O. No. :	30660
Description Sample No. - 1121, Heat No. - A-361, Kesari Steel				

RESULTS

SS-316
OK

Chemical Analysis

Sample ID: J.O.No. - 30660/1

By Spectrometer (ASTM E1507;1998)

Element	%
Carbon	0.074
Silicon	0.331
Sulphur	0.014
Phosphorus	0.033
Manganese	1.240
Nickel	10.34
Chromium	16.94
Molybdenum	2.010
Vanadium	0.043
Copper	0.463
Tungsten	0.036
Cobalt	0.155
Aluminium	0.003
Titanium	0.007
Iron	68.31

Checked By

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

The result listed refer only to the tested samples and applicable parameters, Endorsement of product is neither inferred nor implied.

Total Liability of our Laboratory is limited to the invoiced amount. No liability will be accepted after the sample is taken back.

This report can not be used as an evidence in a court of law.

Samples will be destroyed after 15 days.

Any Complaints about this report should be communicated within 7 days of issue of this report.

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-375/07-08	Date : 13/3/2008	Customer : M/S NOV SARA INDIA PVT LTD
Heat No.A-361	Pouring dt.:-	DEHRADUN
Specification: S.S. 316	P.O. NO.:- B/KES/1808/07	Dtd.:- 11/2/2008

SL. NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	S.S 316 DIA 56 MM	9
2	FB 765	
3		
4		
5		

CHEMICAL COMPOSITION

PERCENT	C	Mn	Si	P	S	Cr	Ni	Mo	V	Ti	Al	Cu
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	0.070	1.30	0.47	0.024	0.020	16.80	10.16	2.07				

HEAT TREATMENT

Condition	Temp. C	Soaking Time Hrs.	Cooling Medium

PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	Y.S. N/mm2	U.T.S. N/mm2	ELONG % GL mm	REDN IN AREA %	BEND	HARDNESS	IMPACT (Joules)
AS PER Min.							
SPEC. 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

Sign of the Inspecting Officer

Sign of the Chief Quality Control