



SPAN FORGING PVT. LTD.

Manufacturers of : Steel Forging, CNC Turned Components & Gears

Works : Village - Tatarpur (Near Prithla) Teh. Palwal, Distt. Faridabad, Cell : 9810010535

TEST REPORT

Ref. No.	M/s Nov Sara India Pvt. Ltd. A/2 Sara Industrial Estate Ltd. Chakrata Road, Rampur - Selaqui Dehradun-248001	Report No. 856	Date..... D.O.T. 15-10-2011 D.O.R 15/10/2011
Sample Description	INGOT 4"X5"	Sample No. 6765	Heat No. D-1553

RESULTS

Chemical Analysis
By Spectrometer

Sample ID J.O No.

<u>Element</u>	<u>%</u>
Carbon	0.0747
Silicon	0.516
Sulphur	0.0257
Phosphorus	0.0418
Manganese	1.14
Nickel	10.36
Chromium	16.99
Molybdenum	2.12
Vanadium	0.0612
Copper	0.389
Niobium	0.0172
Cobalt	0.185
Aluminium	0.0335
Titanium	0.0234
Iron	68.00

Checked By
Arun Mishra



Authorised Signatory
(Q.M / 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. The 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 within 7 days of issue of this report.
6. This report shall not be reproduced except in full, without the written permission of the Laboratory.
7. *Not Covered under NABL Scope.



MATERIAL TEST CERTIFICATE

TC NO-KSL-2801/11-12	Date :	30.09.2011	Customer :	M/S NOV SARA INDIA PVT. LTD.
Heat No. D -1553				DEHRADUN
Specification:- AISI 316	P.O. No.:	B / KES 0006 / 11 Dated 27.06.2011	Invoice No:	550 Date 30.09.2011

SL. NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	AISI 316 Ingots 4"x 5"	90

CHEMICAL COMPOSITION

PERCENT	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	Ti	Al	V
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		0.059	1.47	0.54	0.033	0.027	16.27	10.21	2.14			0.017

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 BHN	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

The Steel has been made by Electric Furnace which is fully killed by Al & Si. It has fine grain structure.

Sign of the Inspecting Officer

Registered Office :

G & JU - 26/1, Pitampura, Telefax : + (91) 11 27343847

Delhi - 110026 (INDIA)

Works :

A - 350, Phase-I, RILCO Industrial Area,

Dhuri, 201010, Dehradun (INDIA)

Phone : + (91) 1493 220142

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Sign of the Chief of Quality Control

