



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.	Report No.	Date.....
A/2 Sara Industrial Estate Ltd.	857	D.O.T.
Chakrata Road, Rampur -		15-10-2011
Selaqui Dehradun-248001		D.O.R
		15/10/2011
Sample Description	Sample No.	Heat No.
INGOT 4"X5"	6766	D-1554

RESULTS

Chemical Analysis
By Spectrometer

Sample ID J.O No.

Element	%
Carbon	0.0759
Silicon	0.512
Sulphur	0.0258
Phosphorus	0.0445
Manganese	1.06
Nickel	10.28
Chromium	16.82
Molybdenum	2.15
Vanadium	0.057
Copper	0.368
Niobium	0.0181
Cobalt	0.178
Aluminium	0.0167
Titanium	0.0276
Iron	68.30

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-2802/11-12	Date : 30.09.2011	Customer : M/S NOV SARA INDIA PVT. LTD.
Heat No. D -1554		DEHRADUN
Specification:- AISI 316	P.O. No.: B / KES 0066 / 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"	81

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	0.063	1.42	0.44	0.031	0.022	16.37	10.14	2.15			0.019	

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, Gurgaon - 122008 (INDIA)
Telefax : + (91) 11 27343847

Works :

A - 350, Phase-I, Risco Industrial Area, Bhiwadi - 301019, Rajasthan (INDIA)

Phone : + (91) 1493 220142

Sign of the Chief of Quality Control



WEB : WWW.KSL.IN