



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.	855	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"	6755	D-1536

RESULTS

Chemical Analysis
By Spectrometer

Sample ID

J.O No.

Element	%
Carbon	0.066
Silicon	0.379
Sulphur	0.0178
Phosphorus	0.0434
Manganese	1.19
Nickel	10.29
Chromium	17.27
Molybdenum	2.05
Vanadium	0.0626
Copper	0.366
Niobium	0.012
Cobalt	0.166
Aluminium	0.0076
Titanium	0.0184
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-2767/11-12	Date: 28.09.2011	Customer: M/S NOV SARA INDIA PVT LTD
Heat No: D-1535		DEHRADUN
Specification: AISI 316	P.O. No:	

SL NO	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	AISI 316 Ingots 4"x5"	88

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. (%)	0.08	2.00	1.00	0.045	0.030	16.00	14.00	3.00				
Actual Value		0.064	1.41	0.54	0.034	0.027	15.42	10.19	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 % Cl. min	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:

C & RU - 26/1, Pitampura,
Delhi - 110058 (INDIA)

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Fax : + (91) 1493 220932

Sign of the Chief of Quality Control

WEB : WWW.KSL.IN
E-MAIL : INFO@KSL.IN

Ingots | Rolled Bars | Square Bars | Forged Bars | Flat Bars | Castings