



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.	Report No.	Date
Issued to: M/sNov Sara India Pvt.Ltd. 7/1, Pritam Road, Unit-II Dehradun-248001	696	D.O.T. 2/8/2011
		D.O.R 2/8/2011
Sample Description	Sample No.	Heat No.
DIA 70 MM	6499	D-1318

RESULTS

Chemical Analysis
By Spectrometer

Sample ID

J.O No.

Element	%
Carbon	0.0638
Silicon	0.543
Sulphur	0.01
Phosphorus	0.0183
Manganese	0.971
Nickel	10.06
Chromium	17.37
Molybdenum	2.07
Vanadium	0.0405
Copper	0.308
Tungsten	0
Cobalt	0.166
Aluminium	0.0087
Titanium	0.0129
Iron	68.30

Checked By
Arun Mishra



Autorised 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 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.
7. *Not Covered under NABL Scope.



MATERIAL TEST CERTIFICATE

TC NO-KSL-2484/11-12	Date: 24.07.2011	Customer: M/S NOV SARA INDIA PVT. LTD.
Heat No. D-1318		DEHRADUN
Specification:- AISI 316	P.O. No.: B/KES0066/11 Dtd 27.06.2011	Invoice No: 281 Date 24.07.2011

SL NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	Round ϕ 70 MM	41

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	1.50	1.00	0.040	0.030	18.00	14.00	3.00				
Actual Value	0.064	1.31	0.54	0.033	0.024	16.31	10.19	2.14				

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.

Sr. Head Office: Inspecting Officer

G & JU - 26/1, Pitampura, Delhi - 110088 (INDIA)
Telefax : + (91) 11 27343847
Support : + (91) 9810112977

Works:

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

Phone : + (91) 1493 220142
Fax : + (91) 1493 220562

Sign of the of Quality Control

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