



# SPAN FORGING PVT. LTD.

Manufacturers of : Steel Forging, CNC Turned Components & Gears

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

Ref. No.....

Date.....

## TEST REPORT

Issued to: M/s Nov Sara India Pvt Ltd.  
7/1, Pritam Road, Unit-II  
Dehradun-248001

Report No.

197

D.O.T.

6/5/2011

D.O.R

5/12/2011

Sample Description

AISI-1008

Sample No.

006014

Heat No.

S-305-A

## RESULTS

Chemical Analysis  
By Spectrometer

Sample ID

J.O No.

Element	%
Carbon	0.0515
Silicon	0.166
Sulphur	0.0389
Phosphorus	0.0203
Manganese	0.347
Nickel	0.0096
Chromium	0.0074
Molybdenum	0.002
Vanadium	0.0011
Copper	0.0016
Tungsten	0
Cobalt	0.0035
Aluminium	0.0217
Titanium	0.001
Iron	99.30

Checked By  
Arun Mishra

*Arun*



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 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.



# SHARU STEELS (P) LTD.

B-48 & D-251, Phase-VII, Focal Point, LUDHIANA - 141 010.  
E-mail : info@sharusteels.com & sharusteels@connect2.dsl.net  
**QUALITY ASSURANCE DEPARTMENT**  
**METALLURGICAL TEST REPORT**

F-QCD-03



## TEST CERTIFICATE

M/S. NOV SARA INDIA PRIVATE LIMITED (UNIT NO.-II)7/1,PRITAM ROAD,  DEHRADUN UTTARAKHAND	T.C. No. 0501 Invoice No. Truck No. M.P.09HF.8633	Date 09-05-2011
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GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY COND.N.	QNTY. M.T.	NO. OF PCS.
AISI1008	36X36 MM	S-305	L/HT	GREY	AS ROLLED	3.480	LOOSE

### CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Max.															
Actual	0.09	0.48	0.034	0.032	0.21					0.023					

### METALLURGICAL RESULTS

INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A									Aust. Grain Size ASTM No. (E-112)	Gas content (ppm)		
	A		B		C		D		Decarb. (MM)	7	O <sub>2</sub>	
	T	H	T	H	T	H	T	H				
STD MAX												

### MECHANICAL PROPERTIES

	U.T.S.	Y.S.	EL %	RA %	Impact Value	Hardness B.H.N. / Rb	MACRO	ULTRASONIC TEST	MIX UP TEST
Reqd.									
Actual							OK	OK	OK

### HARDENABILITY (HRC) AS PER IS : 3848

Distance									
Reqd.									
Actual									

Remarks :