

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/2Sara Industrial Estate Ltd. Chakrata Road, Rampur - Selaqui Dehradun-248001	Report No.	717	Date.....
		D..O.T.	11/8/2011	
		D..O.R	10/8/2011	
Sample Description	AISI-1008	Sample No.	6553-A	Heat No.
				S-181-A

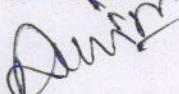
RESULTS

Chemical Analysis
By Spectrometer

Sample ID J.O No.

Element	%
Carbon	0.0786
Silicon	0.244
Sulphur	0.036
Phosphorus	0.0325
Manganese	0.447
Nickel	0.0412
Chromium	0.131
Molybdenum	0.0093
Vanadium	0.0028
Copper	0.0508
Tungsten	0
Cobalt	0.006
Aluminium	0.0283
Titanium	0.0016
Iron	98.80

Checked By
Arun Mishra



Autorised Signatory
(Q.M / T.M)

The result listed refer only to the tested samples and applicable parameters. Endorsement of product is neither inferred nor implied.
Total Liability of our Laboratory is limited to the invoiced amount. No liability will be accepted after the sample is taken back.
The report can not be used as an evidence in a court of law.
Samples will be destroyed after 15 days.
Any Complaints about this report should be communicated within 7 days of issue of this report.
This report shall not be reproduced except in full, without the written permission of the Laboratory.
*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

**TEST CERTIFICATE**

M/S NOV SARA INDIA PRIVATE LIMITED (UNIT NO.-II)7/1,PRITAM ROAD, DEHRADUN UTTARAKHAND	T.C. No. 2381	Date 06-12-2011
	Invoice No. 2067 -	
	Truck No. PB16CF-6557 -	

GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDN.	QNTY. M.T.	NO. OF PCS.
4163 1M08	6.8 MM	S-181	L/HT	WHITE	AS ROLLED	6485	LOOSE

CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Max.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Actual	0.07	0.42	0.020	0.019	0.15	-	-	-	-	0.020	-	-	-	-	-

METALLURGICAL RESULTS

INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A								Aust. Grain Size ASTM No. (E-112)	Gas content (ppm)		N ₂
	A		B		C		D		Decarb. (MM)	O ₂	H ₂
	T	H	T	H	T	H	T	H			
STD MAX	-	-	-	-	-	-	-	-	-	-	-
ACTUAL	1.0	-	1.0	-	1.0	-	1.5	-	-	-	-

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

HARDENABILITY (HRC) AS PER IS : 3848

Distance	-	-	-	-	-	-	-	-
Reqd.	-	-	-	-	-	-	-	-
Actual	-	-	-	-	-	-	-	-

Remarks :

CERTIFIED THAT THE TEST FINDINGS ARE CORRECT & ARE BASED ON ACTUAL RESULTS CARRIED OUT ON SAMPLES DRAWN AS PER Q.A.P.	PREPARED BY	
---	-------------	--

AUTHORISED SIGNATORY