



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.	D.O.T. Date.....
sued to: M/sNov Sara India Pvt.Ltd. A/2Sara Industrial Estate Ltd. Chakrata Road, Rampur - Selaqui Dehradun-248001	729	11/8/2011
Sample Description AISI-1008	Sample No. 6557-A	D.O.R 10/8/2011
		Heat No. S-194-A

RESULTS

Chemical Analysis
By Spectrometer

Sample ID J.O No.

Element	%
Carbon	0.0797
Silicon	0.246
Sulphur	0.0351
Phosphorus	0.0315
Manganese	0.443
Nickel	0.0419
Chromium	0.132
Molybdenum	0.0095
Vanadium	0.0033
Copper	0.051
Tungsten	0
Cobalt	0.0062
Aluminium	0.0172
Titanium	0.0017
Iron	98.80

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.

**SHARU STEELS (P) LTD.**

B-4B & 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. SARA CSE PRIVATE LIMITED DIVISION II A 2 SARA INDUSTRIAL ESTATE LTD. CUMBERLAND ROAD, SINGHIANA, LUDHIANA PUNJAB, INDIA 141010	T.C. No. 2021	Date 11.01.2021
	Invoice No. 2314	
	Truck No. HR37-L-5597	

GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDN.	QNTY. M.T.	NO. OF PCS.
AISI-1000	45.00	S 174	L/RT	WHITE	AS ROLLED	8075	1000

CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Ca	Sn	Ti	B	Ca
Max.															
Actual*	0.18	0.42	0.031	0.024	0.10				0.021						

METALLURGICAL RESULTS

INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A								Aust. Grain Size ASTM No. (E-112)	Gas content (ppm)		Decarb. (MM)	O ₂	N ₂					
	A		B		C		D											
	T	H	T	H	T	H	T	H										
STD. MAX.																		
ACTUAL	1.5		1.8		1.8		1.5											

MECHANICAL PROPERTIES							MACRO	ULTRASONIC TEST	MIX UP TEST
	UTS.	Y.S.	EL %	RA %	Impact Value	Hardness B.H.N. / R.B.			
Reqd.									
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 PERSONALITY
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