



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(P)Ltd.
A/2Sara Ind.Estate Ltd.Chak-
rata Road,Selaqui,Dehradun.

Report No.

1133

D.O.T.

29-12-11

D.O.R

29-12-11

Sample Description

INGOT 5"X 6"

Sample No.

7121

Heat No.

C-18-F

RESULTS

Chemical Analysis
By Spectrometer

<u>Element</u>	<u>%</u>
Carbon	0.0587
Silicon	0.362
Sulphur	0.0096
Phosphorus	0.0254
Manganese	1.49
Nickel	10.17
Chromium	16.36
Molybdenum	2.11
Vanadium	0.061
Copper	0.345
Niobium/Columbium	0.0154
Cobalt	0.143
Aluminium	0.0062
Titanium	0.0082
Iron	68.80

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 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.



PSI
Paras Steel Industries

TEST CERTIFICATE

CERTIFICATE : NO. 10

H. No.	No. of Pcs	Quantity	C	Mn	Cr	Ni	Mo	Si	Cu	S	P	Pb	Sn
C-18 Y/R	17	1623.75	0.0580	1.5400	16.0500	10.1300	2.0400	0.4010	0.3920	0.0199	0.0337	0.0063	0.0074
C-19 Y/G	17	1623.75	0.0623	1.4700	16.0400	10.0500	2.0200	0.4100	0.3800	0.0187	0.0321	0.0049	0.0066
C-20 Y/P	17	1623.75	0.0616	1.5400	16.0600	10.0500	2.0300	0.4180	0.3840	0.0194	0.0334	0.0055	0.0082
C-30 Y/S	17	1623.75	0.0684	1.5100	16.1400	10.0800	2.0200	0.4700	0.3450	0.0175	0.0308	0.0053	0.0068
TOTAL	68	6495.00											

H. No.	No. of Pcs	Quantity	Al	Co	Nb	Ti	V	W	As	Ca	B	Sb	Fe
C-18 Y/R	17	1623.75	0.0026	0.1460	0.0185	0.0087	0.0632	0.0635	0.007	0.00053	0.0011	0.0020	69.3
C-19 Y/G	17	1623.75	0.0059	0.1580	0.0182	0.0132	0.0613	0.0704	0.0089	0.0016	0.00092	0.0020	69.6
C-20 Y/P	17	1623.75	0.0082	0.1470	0.0348	0.0133	0.065	0.0664	0.0084	0.0015	0.0013	0.0020	69.4
C-30 Y/S	17	1623.75	0.0081	0.1430	0.0498	0.0191	0.0647	0.0685	0.0093	0.0016	0.0013	0.0020	69.2
TOTAL	68	6495.00											

Note :-

Y/R = Yellow/Red

Y/G = Yellow/Green

Y/P = Yellow/Pink

Y/S.B. = Yellow/Sky Blue

QUALITY MANAGER