



SPAN FORGING PVT. LTD.

Mobile : 9999986702

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Mfrs. of : Steel Forgings, CNC Turned Components, Centrifugal Casting of alloy steel

Works : Village Tatarpur (Near Prithla) Teh. & Distt. Palwal

E-mail : spanforging@rediffmail.com

TEST REPORT

Ref. No.

Date.....

Issued to: M/s SARA SAE(P)Ltd.Unit-II
A/2Sara Ind.Estate Ltd.Chak-
rata Road,Selaqui,Dehradun.

Report No.

1221

D.O.T.

5/3/2012

D.O.R

6/3/2012

Sample Description

INGOT 4"X5"

Sample No.

7399

Heat No.

D-2100

RESULTS

Chemical Analysis
By Spectrometer

Element	%
Carbon	0.0695
Silicon	0.407
Sulphur	0.0228
Phosphorus	0.0301
Manganese	0.914
Nickel	10.32
Chromium	16.3
Molybdenum	2.2
Vanadium	0.0617
Copper	0.325
Niobium/Columbium	0.0152
Cobalt	0.173
Aluminium	0.173
Titanium	0.0196
Iron	68.90

Checked By
Arun Mishra



Authorized 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.



MATERIAL TEST CERTIFICATE

KG NO-KSL-3314/11-12	Date: 27.02.2012	Customer: M/S SARA SAE PVT LTD. DEHRADUN
Heat No. D-2100		Delivery: M/S SHARU STEEL (P) LTD. LUDIANA
Specification:- AISI 316	P.O. No.: B/KES/0147/11 Dated 18.02.2012	Invoice No: 968 Date 27.02.2012

SL. NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS.
	Forging Ingot 4"X5"	90
	Grade Color Code: Pink	
	Heat Color Code: Green	

CHEMICAL COMPOSITION

PERCENT	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	Ti	Al	V
AS PER SPEC. Min. (%)						18.00	10.00	2.00				
Max. (%)	0.080	2.00	1.00	0.045	0.030	18.00	14.00	3.00				
Actual Value	0.064	1.22	0.45	0.041	0.027	18.21	10.10	2.07				

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.

Signature of the Inspecting Officer

Registered Office:

G & JU - 2671, Pitampura,
Delhi - 110088 (INDIA)

Telefax : + (91) 11 27343847

Works:

A - 350, Phase-I, Riico Industrial Area,

Phone : + (91) 1493 220142



Signature of the Quality Control

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