

SPAN FORGING PVT. LTD.

Mobile : 9999986702
9999986704
9810010535

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

Date.....

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

Report No.

76

D..O.T.

17/4/2012

D..O.R

17/4/2012

Description

R-35

Sample No.

7375

Heat No.

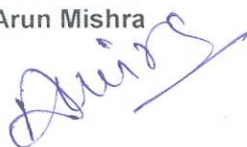
R-663

RESULTS

Chemical Analysis
by Spectrometer

Element	%
Carbon	0.0638
Silicon	0.557
Sulphur	0.027
Phosphorus	0.0127
Manganese	1.52
Nickel	10.23
Chromium	16.59
Molybdenum	2.32
Vanadium	0.0604
Copper	0.389
Niobium/Columbium	0.012
Cobalt	0.18
Aluminium	0.0194
Titanium	0.0162
Iron	68.00

Checked By
Arun Mishra



Authorised Signatory
(Q.M / T.M)

Analysis is valid only for the tested samples and applicable parameters. Endorsement of product is neither inferred nor implied.

Capacity of our Laboratory is limited to the invoiced amount. No liability will be accepted after the sample is taken back.

Report can not be used as an evidence in a court of law.

Report will be destroyed after 15 days.

Complaints about this report should be communicated within 7 days of issue of this report.

Report shall not be reproduced except in full, without the written permission of the Laboratory.

Report is issued under NABL Scope.



PARVATI P.LTD.

Regd Office & Works : 27, Rajasthani Udyog Nagar, G. T. Karnal Road,
NEW DELHI - 33, Phone : 91 - 11 - 47029900 Fax : 91 - 11 - 47029922

TEST CERTIFICATE

Customer Name & Destination : M/S. SARA SAE PVT. LTD.		T.C.NO : P-70	Date : 2.2.12	ORDER NO : VERBAL		
Material Specification	Manufacturing Route	Supply Condition	Size	PCS	Color Code	Weight (Kg)
AISI-316	INDUCTION FURNACE	AS ROLLED	56 MM	50 47	BLUE	5315 4965

CHEMICAL ANALYSIS IN PERCENTAGE

ELEMENTS	C	Mn	Si	S	P	Cr	Ni	Mo	N	COLOR	Size	Pcs.
Specification	Min.											
	Max.											
Heat No.	Grade											
R-662	AISI-316	.056	1.57	.53	.016	.031	16.77	10.06	2.06	.0645	56 MM	50
R-663	AISI-316	.060	1.49	.57	.016	.032	16.73	10.02	2.05	.0674	56 MM	47

ULTRASONIC TESTING
ACC. STD : 6mm FBH -

REMARKS : NA

MECHANICAL PROPERTIES : TEST STD ASTM A370

	Test Condition	UTS (N/MM ²)	YS (N/MM ²)	% EL.	% RA	Hardness (BHN)	
						Min.	Max.
SPEC	-	-	-	-	-	-	-
RESULT	-	-	-	-	-	-	-

METALLURGICAL TEST RESULT

Grain Size
E 112

IMPACT TESTING :

Test Std :

INCLUSION RATING ASTM E - 45					Sr. No	Impact Energy (J)	Average
A	B	C	D				
Thin	-	-	-	-	1	-	
Thick	-	-	-	-	2	-	
					3	-	

JOMINY HARDENABILITY : ASTM - 3848

MACROSTREAK FLAW TEST (IS - 4075)

DIST mm/Inch	J	J	J	J	J	J	Marco Test (ASTM E - 381)	1 st Step	2 nd Step	3 rd Step
ACTUAL HRC										

Visual Inspection :

Remarks

- 1 Impact Testing as per DINEN 10015 - 1
- 2 Ultrasonic testing as per ASTM A 388
- 3 Material is free from residual radioactive elements.
- 4 Lead not added during manufacturing.

For Parvati P. Ltd.

For Parvati P. Ltd.

WE CONFIRM THAT THE TEST
CERTIFICATE FINDINGS ARE
CORRECT & RESULTS ARE
AS PER STANDARD /
CUSTOMER'S REQUIREMENTS

Chemist



Authorized Signatory (Q.C.)