

Sample Result Name	Type	Measure Date Time	Recalculation Date Time	Origin
10300 (hno.-R-890) DIA-40 MM	Unknown	Tuesday, December 02, 2014	2:50:44 PM	Measured
Method Name	Method Version	Operator Name	Check Type	Check Status
Fe-30-MO		SARA SAE	None	Not Used
Grade Verification Name	Grade Verification Similarity	Correction Type	Type Corr Sample Name	Grade Search Name
	0	None		
Grade Search Similarity	Type	Status	Outlier Removal	
0	None	Not Used		

Sample Name	Grade
10300 (hno.-R-890) DIA-40 MM	

	C Conc %	Si Conc %	Mn Conc %	P Conc %	S Conc %	Cr Conc %	Mo Conc %	Ni Conc %	Al Conc %	Co Conc %	Cu Conc %	Nb Conc %	Ti Conc %	V Conc %	W Conc %	Pb Conc %	Sn Conc %	As Conc %	Zr Conc %
2	0.074	0.47	1.43	0.018	0.015	16.58	2.11	10.36	0.011	0.20	0.40	0.015	0.016	0.062	0.041	<0.010	0.009	<0.005	<0.003
3	0.068	0.46	1.44	0.020	0.016	16.61	2.07	10.31	0.011	0.20	0.40	0.015	0.016	0.061	<0.040	<0.010	0.009	<0.005	<0.003
4	0.069	0.45	1.45	0.018	0.016	16.66	2.06	10.34	0.010	0.20	0.41	0.016	0.016	0.062	0.048	<0.010	0.013	<0.005	<0.003
Rep	0.070	0.46	1.44	0.019	0.016	16.62	2.08	10.34	0.011	0.20	0.40	0.015	0.016	0.062	0.043	<0.010	0.010	<0.005	0.003
Min Cal	0.006	0.005	0.004	0.003	0.002	0.005	0.003	0.005	0.003	0.005	0.002	0.005	0.0010	0.002	0.040	0.010	0.002	0.005	0.003
Mean	0.070	0.46	1.44	0.019	0.016	16.62	2.08	10.34	0.011	0.20	0.40	0.015	0.016	0.062	0.041	<0.005	0.010	<-0.020	<0.002
Max Cal	3.00	5.04	18.12	0.18	0.30	36.00	10.20	55.2	6.24	21.60	7.44	3.60	3.60	12.00	7.32	0.13	0.27	0.13	0.19
	Ca Conc %	B Conc %	Fe Conc %																
2	0.003	0.0007	68.2																
3	0.003	0.0006	68.2																
4	0.003	0.0006	68.1																
Rep	0.003	0.0006	68.2																
Min Cal	0.0005	0.0005																	
Mean	0.003	0.0006	68.2																
Max Cal	0.016	0.025																	

Qualify in SS316 as per
Feb 26-720
Defak

MRV No → 21060

Parvati Private Limited

27 Rajasthani Udyog Nagar, G.T. Karnal Road, Delhi-110 033, India

T: +91-11-47029900 • F: +91-11-47029922

E: parvati@gopalgroup.com • W: www.gopalgroup.com

TEST CERTIFICATE

TC No.: P-269

Date : 28.11.14

INVOICE NO: 367

Customer Name & Address :

M/S SARA SAE P.LTD
DEHRADUN

Supply Condition :

AS ROLLED & CAST

CHEMICAL ANALYSIS IN PERCENTAGE

H.NO	Grade	C	Si	Mn	P	S	Cr	Mo	Ni	N	Size(MM)	Pc	Weight	Colour Code
R-890	AISI-316	.073	.54	1.52	.037	.017	16.90	2.06	10.07	.0530	40	98	5290	BLUE
R-891	AISI-316	.066	.51	1.57	.034	.014	16.72	2.03	10.14	.0566	70	12	2055	BLUE

Manufacturing Route: Electric Induction Furnace

Ultrasonic testing as per ASTM A 388

Material is free from residual radioactive elements.

Lead not added during manufacturing.

We are Confirming that the Test Certificate findings are Correct & Results are as per Standard / Customer's Requirements.

Lab Incharge



Quality Controller

Qualify in SS316
as per SS 26-720
Gopal

UT Not Required
As per SS 26-720