



AMETEK
MATERIALS ANALYSIS DIVISION

panvati

9359

R-830 (404M)

Sample Result Name	Type	Measure Date	Recalculation Date	Origin	Method Name	Method Version	Operator Name	Correction Type	Type Cont Sample Name						
SRQA	11/15/2014	11/15/2014 3:12:26 PM		MISSOURI	11-01-2014		2013	None							
Check Type	Check Status	Grade Verification Name		Grade Verification Similarity		Grade Search Name		Grade Search Similarity							
None	Not Used			0.8				0.8							
Sample Name	Grade Nom	Grade													
	SRQA	Grade													

Elements Conc.

Max	C	SI	Mn	P	S	Cr	Mo	NI	Al	Co
	%	%	%	%	%	%	%	%	%	%
Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.
Cal Min	0.005	0.005	0.004	0.003	0.002	0.005	0.003	0.005	0.003	0.005
<>	0.082	0.55	1.55	0.003	0.007	16.69	2.17	10.24	0.017	0.21
Cal Max	3.00	5.04	18.12	0.18	0.30	36.00	10.20	55.2	6.24	21.50
Mean	0.082	0.55	1.55	<0.0010	0.007	16.69	2.17	10.24	0.017	0.21
Max	0.081	0.55	1.53	0.0026	0.014	16.52	2.01	10.00	0.011	
Min	Cu	Nb	Ti	V	W	Pb	Sn	As	Zr	Ca
	%	%	%	%	%	%	%	%	%	%
Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.
Cal Min	0.002	0.005	0.0010	0.002	0.000	0.010	0.002	0.005	0.003	0.0005
<>	0.40	0.027	0.076	0.009	0.002	<0.010	0.070	<0.005	0.003	0.002
Cal Max	7.44	3.00	3.60	12.00	7.32	0.13	0.27	0.13	0.15	0.016
Mean	0.40	0.027	0.015	0.009	0.002	<0.004	0.010	<0.023	<0.002	0.002
Max	0.40	0.027	0.015	0.009	0.002	<0.004	0.010	<0.023	<0.002	0.002
Min	B	Fe								
	%	%								
Conc.	Conc.	Conc.								
Cal Min	0.0005	67.9								
<>	<0.0005	67.9								
Cal Max	0.025									
Mean	<0.0002	67.9								

Wt %
0.0026
0.014
16.52
2.01
10.00
0.011



PARVATI PVT. LIMITED

27, Rajasthani, Udyog Nagar, G.T.Karnal Road, Delhi-110033 INDIA
Ph. : +91-11-47029900 (100 Lines), Fax : +91-11-47029922

TEST CERTIFICATE

TC No.: P-223

Date : 20.3.14

INVOICE NO: 494

Customer Name & Address :

M/S SARA SAE P.LTD
DEHRADUN

Supply Condition :

AS ROLLED

CHEMICAL ANALYSIS IN PERCENTAGE

H.NO	Grade	C	Si	Mn	P	S	Cr	Mo	Ni	N	Size	Pc	Weight	Colour Code
R-828	AISI-316	.073	.56	1.49	.032	.015	16.76	2.06	10.06	.0590	70MM	13	2175	BLUE
R-829	AISI-316	.066	.53	1.58	.030	.017	16.79	2.05	10.11	.0560	40MM	50	2660	BLUE
R-830	AISI-316	.069	.51	1.66	.032	.020	16.36	2.06	10.07	.0565	40MM	26	1350	BLUE

Remarks :

Manufacturing Route: Electric Induction Furnace
Ultrasonic testing as per ASTM A 388
Material is free from residual radioactive elements.
Lead not added during manufacturing.

on 28/3/14
Depal

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



Lab Incharge

Quality Controller