



AMETEK
MATERIALS ANALYSIS DIVISION

5410

Heat No - 883456

Sample Result Name	Type	Measure Date	Recalculation Date	Origin	Method Name	Method Version	Operator Name	Correction Type	Type Corr Sample Name
SARA	11/1/80		4/22/04 12:40:25	MISSOURI	10-23-110		SARA	None	
Check Type	Check Status	Grade Verification Name			Grade Verification Similarity		Grade Search Name		Grade Search Similarity
None	None								
Sample Name	Grade Nom	Grade							
	SARA								
Elements	Conc.								

Meas.	C	Si	Mn	P	S	Cr	Mo	Ni	Al	Co
	%	%	%	%	%	%	%	%	%	%
Cal. Min	Conc. 0.006	Conc. 0.005	Conc. 0.004	Conc. 0.003	Conc. 0.002	Conc. 0.005	Conc. 0.003	Conc. 0.005	Conc. 0.003	Conc. 0.005
<X>	0.074	0.49	1.62	0.037	0.023	18.19	2.07	9.85	0.014	0.19
Cal. Max	3.00	5.04	18.12	0.18	0.30	36.00	10.20	55.2	5.24	21.60
Mean	0.074	0.49	1.62	0.037	0.023	18.19	2.07	9.85	0.014	0.19
Meas.	Cu	Nb	Ti	V	W	Pb	Sn	As	Zr	Ca
	%	%	%	%	%	%	%	%	%	%
Cal. Min	Conc. 0.002	Conc. 0.005	Conc. 0.0010	Conc. 0.002	Conc. 0.040	Conc. 0.010	Conc. 0.002	Conc. 0.005	Conc. 0.003	Conc. 0.0005
<X>	0.42	0.037	0.017	0.059	0.091	<0.010	0.011	<0.005	0.003	0.0002
Cal. Max	7.44	3.60	3.60	12.00	7.32	0.13	0.27	0.13	0.19	0.016
Mean	0.42	0.037	0.017	0.059	0.091	<0.008	0.011	<0.010	<0.003	0.002
Meas.	B	Fe								
	%	%								
Cal. Min	Conc. 0.0005	Conc. 66.8								
<X>	0.002	66.8								
Cal. Max	0.025									
Mean	0.002	66.8								

Or
L. J. Fisher



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-226

Date : 9.4.14

INVOICE NO: 22

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	7	1140	BLUE
R-828	AISI-316	.073	.56	1.49	.032	.015	16.76	2.06	10.06	.0590	40MM	24	1255	BLUE
R-832	AISI-316	.066	.52	1.56	.034	.012	16.47	2.05	10.10	.0561	56 MM	50	5275	BLUE
R-833	AISI-316	.070	.51	1.54	.034	.015	16.66	2.03	10.07	.0570	56 MM	56	5830	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 5/4/14
Dg/2014

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

Lab Incharge



Quality Controller