

SPECTRO

AMETEK
MATERIALS ANALYSIS DIVISION

9427

Head No - R-882 456

Sample Result Name	Type	Measure Date	Recalculation Date	Origin	Method Name	Method Version	Operator Name	Correction Type	Type Corr Sample Name				
SAIC	03/23/07		10/23/07 02:41:45	MACTH01	16-01-010		BBB	None					
Check Type	Check Status	Grade Verification Name			Grade Verification Similarity		Grade Search Name		Grade Search Similarity				
None	MACTH01												
Sample Name	Grade Nom	Grade											
	0.004												

Elements

Conc.

Meas.	C	Si	Mn	P	S	Cr	Mo	Ni	Al	Co
	%	%	%	%	%	%	%	%	%	%
Cal. Min	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.
<>	0.006	0.005	0.004	0.003	0.002	0.005	0.003	0.005	0.003	0.005
Cal. Max	0.077	0.47	7.69	0.039	0.029	16.15	2.12	9.74	0.014	0.20
Mean	3.00	5.04	18.12	0.18	0.30	36.00	10.20	56.2	6.24	21.60
	0.077	0.47	1.69	0.039	0.029	18.15	2.12	9.74	0.014	0.20
Meas.	Cu	Nb	Ti	V	W	Pb	Sn	As	Zr	Ca
	%	%	%	%	%	%	%	%	%	%
Cal. Min	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.
<>	0.002	0.006	0.0010	0.002	0.040	0.010	0.002	0.005	0.003	0.0005
Cal. Max	0.47	0.030	0.015	0.064	0.10	<0.010	0.013	<0.005	0.003	0.001
Mean	7.44	3.60	3.60	12.00	7.32	0.13	0.27	0.13	0.19	0.016
	0.47	0.030	0.015	0.064	0.10	<0.008	0.013	<0.011	<0.002	0.001
Meas.	B	Fe								
	%	%								
Cal. Min	Conc.	Conc.								
<>	0.0005									
Cal. Max	0.002	66.8								
Mean	0.0025	66.8								

OK
R. J. L. L. L.



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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