



AMETEK
MATERIALS ANALYSIS DIVISION

R-829 (40MMB)

OK

Sample Result Name	Type	Measure Date	Recalculation Date	Origin	Method Name	Method Version	Operator Name	Correction Type	Type Corr Sample Name
SACB	Unknown		3/21/2014 3:10:14 PM	MISSOURI	ET 30.001		2473	None	
Check Type	Check Status	Grade Verification Name	Grade Verification Similarity	Grade Verification Similarity	Grade Search Name	Grade Search Similarity			
None	Not Done		0%						
Sample Name	Grade Item	Grade							
SACB									

Elements Conc.

Wt%	C	Si	Mn	P	S	Cr	Mo	Ni	Al	Co
	%	%	%	%	%	%	%	%	%	%
Calc Min	0.006	0.005	0.004	0.003	0.002	0.005	0.003	0.005	0.003	0.005
<x>	0.083	0.53	1.45	0.003	0.006	16.87	2.18	10.38	0.073	0.18
Calc Max	3.00	5.04	18.12	0.18	0.30	36.00	10.20	55.2	6.24	21.50
Mean	0.083	0.53	1.45	<0.003	0.006	16.87	2.18	10.38	0.073	0.18
Med.	0.053	0.53	1.43	0.001	0.012	16.70	2.02	10.06	0.013	
	Cu	Nb	Ti	V	W	Pb	Sn	As	Zr	Ca
	%	%	%	%	%	%	%	%	%	%
Calc Min	0.002	0.005	0.0010	0.002	0.040	0.010	0.002	0.005	0.003	0.0005
<x>	0.34	0.042	0.078	0.057	0.057	<0.010	0.010	<0.005	0.003	0.002
Calc Max	7.44	3.60	3.60	12.00	7.32	0.13	0.27	0.13	0.19	0.015
Mean	0.34	0.042	0.078	0.057	0.057	<0.006	0.010	<0.022	<0.002	0.002
	0.84									
Wt%	B	Fe								
	%	%								
Calc Min	0.0005	0.0005								
<x>	<0.0005	67.8								
Calc Max	0.025									
Mean	<0.0002	67.8								

OK 2473
ASB



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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