



AMETEK
MATERIALS ANALYSIS DIVISION

Heat No C46
Rad.

Sample Result Name	Type	Measure Date	Recalibration Date	Origin	Method Name	Method Version	Operator Name	Correction Type	Type Corr Sample Name
Check Type	Check Status	Grade Verification Name	Grade Verification Name	Grade Verification Name	Grade Verification Name	Grade Verification Name	Grade Verification Name	Grade Verification Name	Grade Verification Name
Sample Name	Grade Norm	Grade							

Elements Conc.

Mass	C	Si	Mn	P	S	Cr	Mo	Ni	Al	Co
	%	%	%	%	%	%	%	%	%	%
Cal. Min	0.006	0.005	0.004	0.003	0.002	0.005	0.003	0.005	0.003	0.005
<g>	0.085	0.49	1.79	0.070	0.017	16.62	2.16	10.36	0.047	0.16
Cal. Max	3.00	5.04	18.12	0.18	0.30	38.00	10.20	55.2	5.24	21.60
Mean	0.085	0.49	1.79	0.070	0.017	16.62	2.16	10.36	0.047	0.16
Mass	Cu	Nb	Ti	V	W	Pb	Sn	As	Zr	Ca
	%	%	%	%	%	%	%	%	%	%
Cal. Min	0.002	0.005	0.0010	0.002	0.040	0.010	0.002	0.005	0.003	0.0006
<g>	0.42	0.037	0.026	0.059	0.047	<0.010	0.009	<0.005	0.003	0.003
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	0.026	0.059	<0.036	<0.004	0.009	<0.022	<0.004	0.003
Mass	B	Fe								
	%	%								
Cal. Min	0.0005	0.0005								
<g>	0.0007	68.2								
Cal. Max	0.025									
Mean	<0.0004	68.3								

10584

Test Certificate

TC No : 57	Invoice No:99	Date : 21-08-2013
Customer Name and Address: 7, 1-Pritam Road Dehradun-248001 (Uttarakhand)		Sara Sae Pvt. Ltd.
Supply condition: As Ingots		

Chemical Analysis

Elements	C	Si	Mn	P	S	Cr	Mo	Ni	Nb	Heat No	PC S.	Weight	Grade	Size	Colour
Result	.0695	.520	1.21	.0140	.0143	16.35	2.02	10.01	.0238	C-36	18	1710	SS316	95kg	Blue/Yello
Result	.0712	.463	1.22	.0398	.0134	16.27	2.01	10.03	.0296	C-37	17	1620	SS316	95kg	Blue/Pink
Result	.0696	.523	1.16	.0389	.0149	16.47	2.00	10.04	.0330	C-38	18	1710	SS316	95kg	Blue/Black
Result	.0654	.534	1.17	.0377	.0127	16.66	2.01	10.03	.0291	C-39	18	1710	SS316	95kg	Blue/White
Result	.0694	.564	1.19	.0294	.0092	17.13	2.02	10.02	.0316	C-45	18	1715	SS316	95kg	Blue/Green
Result	.0681	.537	1.20	.0375	.0117	16.82	2.02	10.02	.0273	C-46	19	1805	SS316	95kg	Blue/Red

Remarks:

1. Manufacturing Route: Induction Furnace
2. Material is free from residual radioactive elements.
3. Lead not added during manufacturing.

We are confirming that test result findings are correct and results are as per standard/customers requirement.

Quality Incharge

SS316