



AMETEK
MATERIALS ANALYSIS DIVISION

9603

Head No. 844

Sample Result Name	Type	Measure Date	Recalculation Date	Origin	Method Name	Method Version	Operator Name	Correction Type	Type Cor Sample Name
SCSA	UN-KNOWN		07/02/02 17:45:38	METALLUR	F003.MD		SCS	None	
Check Type	Check Status	Grade Verification Name			Grade Verification Similarity		Grade Search Name		
None	Metallur				0%				
Sample Name	Grade Num	Grade							
348A									

Elements Conc.

Mass	C	Si	Mn	P	S	Cr	Mo	Ni	Al	Co
	%	%	%	%	%	%	%	%	%	%
Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.
Cal. Min	0.008	0.005	0.004	0.003	0.002	0.005	0.003	0.005	0.003	0.005
<>	0.006	0.58	1.57	0.032	0.029	17.10	2.22	10.20	0.067	0.20
Cal. Max	3.00	5.04	18.12	0.18	0.30	36.00	10.20	55.2	8.24	21.80
Mean	0.086	0.58	1.57	0.032	0.029	17.10	2.22	10.20	0.067	0.20
	0.07	0.58	1.54	0.029	0.024	16.83	2.17	10.01		
Mass	Cu	Nb	Ti	V	W	Pb	Sn	As	Zr	Cs
	%	%	%	%	%	%	%	%	%	%
Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.
Cal. Min	0.002	0.005	0.0010	0.002	0.040	0.010	0.002	0.005	0.003	0.0005
<>	0.43	0.078	0.025	0.069	0.069	<0.010	0.023	<0.005	0.003	0.006
Cal. Max	7.44	3.50	3.50	12.00	7.32	0.13	0.27	0.13	0.19	0.016
Mean	0.43	0.078	0.025	0.069	0.069	<0.004	0.023	<0.017	<0.002	0.006
Mass	B	Fe								
	%	%								
Conc.	Conc.	Conc.								
Cal. Min	0.0005									
<>	0.005	67.3								
Cal. Max	0.026									
Mean	0.005	67.3								

OK in SCS
Kivelle
Depot

TEST CERTIFICATE

TC No.: P-235

Date: 6.6.14

INVOICE NO: 111

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-842	AISI-316	.072	.63	1.87	.036	.019	16.84	2.06	10.09	.0540	56	50	5185	BLUE
R-843	AISI-316	.066	.51	1.62	.033	.014	16.70	2.04	10.07	.0560	56	32	3030	BLUE
R-844	AISI-316	.069	.52	1.62	.037	.012	16.69	2.05	10.14	.0540	70	24	4135	BLUE

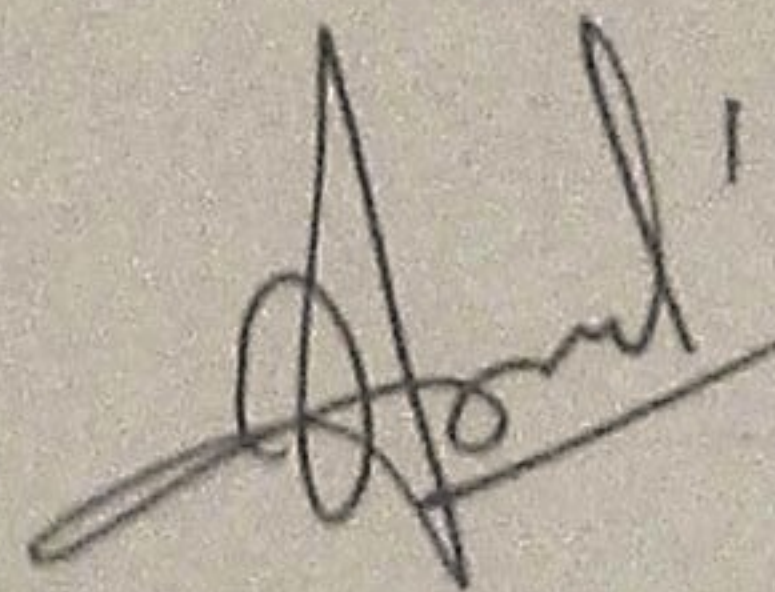
Manufacturing Route: Electric Induction Furnace

Ultrasonic testing as per ASTM A 388

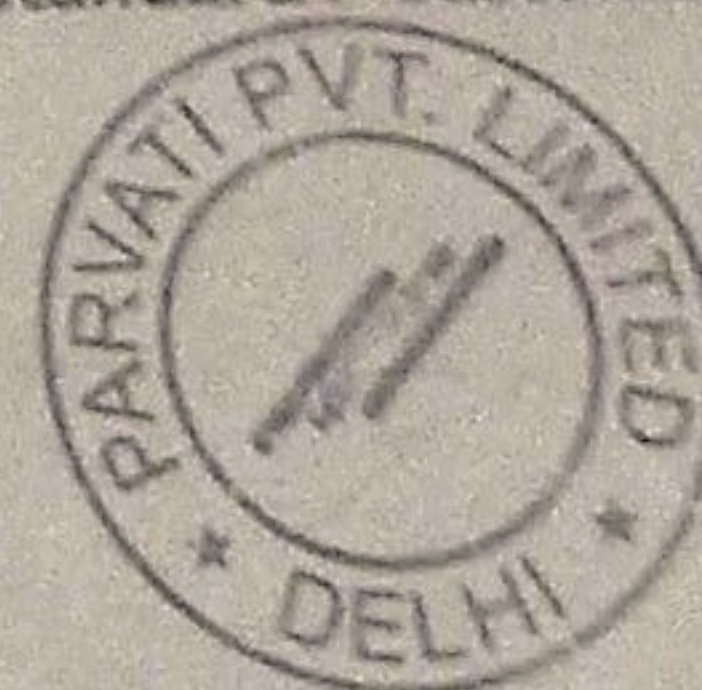
Material is free from residual radioactive elements.

Lead not added during manufacturing.

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



Lab Incharge



Quality Controller