

SPECTRO

AMETEK
NATURAL GAS ANALYSIS DIVISION

9605

Heat No. 842

Sample Result Name	Type	Measure Date	Recalculation Date	Origin	Method Name	Method Version	Operator Name	Correction Type	Type Exam Sample Name
3403	Line 2.00		6/20/2012	6/20/2012	Line 2.00	Line 2.00	Line 2.00	Line 2.00	Line 2.00
Check Type	Check Status	Grade Verification Name							
3403	3403.00	Grade Verification Similarity							
Sample Name	Grade Nom	Grade	Grade Search Name						
3403	3403	Grade	Grade Search Similarity						

Elements Conc.

Meas.	C	Si	Mn	P	S	Cr	Mo	Ni	Al	Co
	%	%	%	%	%	%	%	%	%	%
Cal. Min	0.006	0.006	0.004	0.003	0.002	0.005	0.003	0.005	0.003	0.006
<>	0.076	0.48	7.43	0.037	0.024	76.76	2.50	10.41	0.014	0.22
Cal. Max	3.00	5.04	18.12	0.18	0.30	36.00	10.20	55.2	6.24	21.60
Mean	0.076	0.48	1.43	0.037	0.024	16.76	2.10	10.41	0.014	0.22
Meas.	Cu	Nb	Ti	V	W	Pb	Sn	As	Zr	Ca
	%	%	%	%	%	%	%	%	%	%
Cal. Min	0.002	0.005	0.010	0.002	0.040	0.010	0.002	0.005	0.003	0.0005
<>	0.30	0.079	0.074	0.057	0.086	<0.010	0.001	<0.005	0.003	0.002
Cal. Max	7.44	3.60	3.50	12.00	7.32	0.13	0.27	0.13	0.19	0.016
Mean	0.36	0.019	0.014	0.057	0.086	<0.006	0.001	<0.010	<0.002	0.002
Meas.	B	Fe								
	%	%								
Cal. Min	0.0005	0.0005								
<>	0.005	67.8								
Cal. Max	0.025									
Mean	0.005	67.8								

OK in line 2.00
D. J. P. J.

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

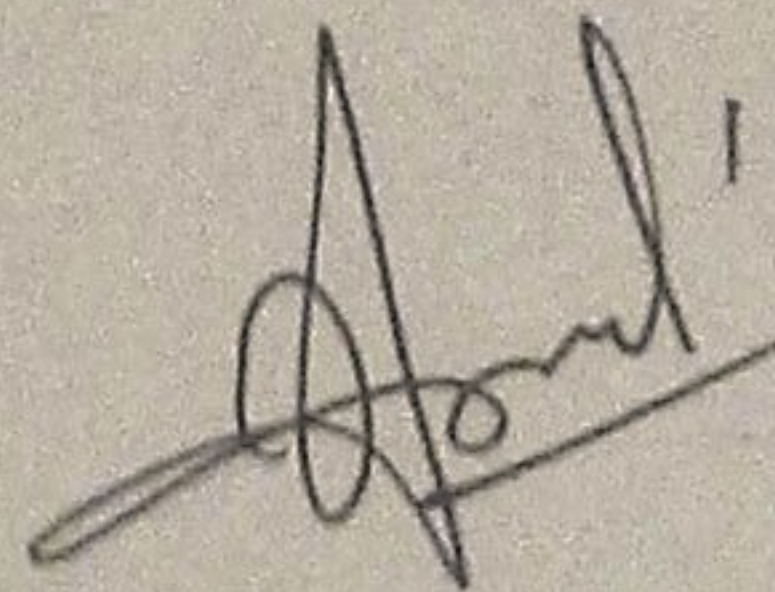
Manufacturing Route: Electric Induction Furnace

Ultrasonic testing as per ASTM A 388

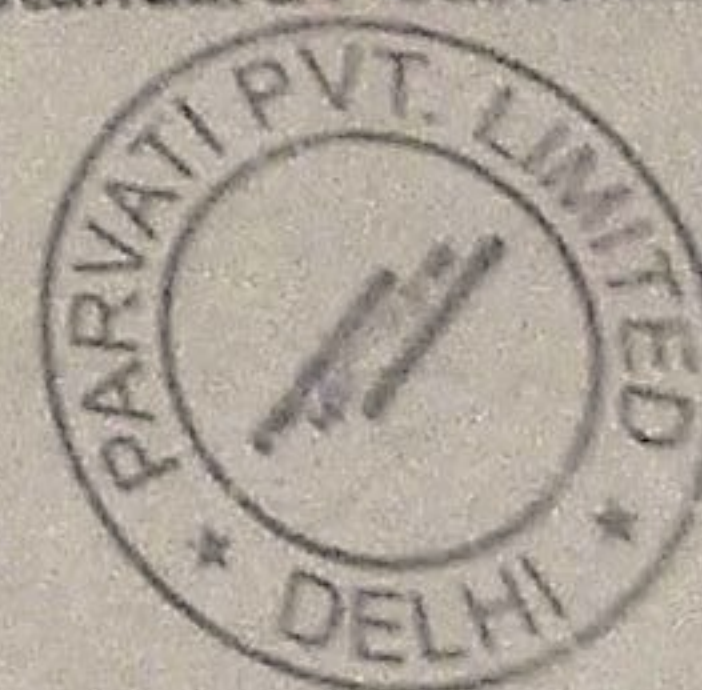
Material is free from residual radioactive elements.

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