

Sample Result Name	Type	Measure Date Time	Recalculation Date Time	Origin
9513(HT NO PA315)	Unknown	Tuesday, May 27, 2014	11:36:25 AM	Measured
Method Name	Method Version	Operator Name	Check Type	Check Status
Fe-30-MO		SARA SAE	None	Not Used
Grade Verification Name	Grade Verification Similarity	Correction Type	Type Corr Sample Name	Grade Search Name
	0.	None		
Grade Search Similarity	Type	Status	Outlier Removal	
0	None	Not Used		

Sample Name	Grade
9513(HT NO PA315)	

	C	Si	Mn	P	S	Cr	Mo	Ni	Al	Co	Cu	Nb	Ti	V	W	Pb	Sn	As	Zr
	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
2	0.075	0.47	1.50	0.025	0.016	16.98	2.08	10.14	0.014	0.24	0.40	0.026	0.019	0.059	0.064	0.013	0.010	<0.005	0.004
3	0.067	0.48	1.50	0.027	0.013	17.17	1.99	10.14	0.011	0.25	0.39	0.028	0.017	0.055	0.064	0.012	0.012	<0.005	0.004
4	0.067	0.49	1.50	0.030	0.017	17.14	2.00	10.08	0.010	0.25	0.39	0.027	0.016	0.054	0.066	0.012	0.013	<0.005	0.004
Rep	0.070	0.48	1.50	0.027	0.015	17.10	2.02	10.12	0.012	0.24	0.39	0.027	0.017	0.056	0.064	0.012	0.012	<0.005	0.004
Min Cal	0.006	0.005	0.004	0.003	0.002	0.005	0.003	0.005	0.003	0.005	0.002	0.005	0.0010	0.002	0.040	0.010	0.002	0.005	0.003
Mean	0.070	0.48	1.50	0.027	0.015	17.10	2.02	10.12	0.012	0.24	0.39	0.027	0.017	0.056	0.064	0.012	0.012	<-0.019	0.004
Max Cal	3.00	5.04	18.12	0.18	0.30	36.00	10.20	55.2	6.24	21.60	7.44	3.60	3.60	12.00	7.32	0.13	0.27	0.13	0.19

	Ca	B	Fe
	Conc	Conc	Conc
	%	%	%
2	0.002	0.0008	67.9
3	0.002	0.0007	67.8
4	0.001	0.001	67.8
Rep	0.002	0.0010	67.8
Min Cal	0.0005	0.0005	
Mean	0.002	0.0010	67.8
Max Cal	0.016	0.025	

ok as per 26-720
Rajachellat
29/5/14

TEST CERTIFICATE

TC No.: P-232

Date : 23/05/14

INVOICE NO: 89

Customer Name & Address :

M/S SARA SAE P.LTD
DEHRADUN

Supply Condition :

AS CAST

CHEMICAL ANALYSIS IN PERCENTAGE

H.NO	Grade	C	Si	Mn	P	S	Cr	Mo	Ni	N	Size	Pc	Weight	Colour Code
PA314	AISI-316	.059	.54	1.47	.034	.011	16.88	2.04	10.11	.0546	4XX544	50	5445	B+R+W
PA315	AISI-316	.060	.50	1.49	.032	.014	16.60	2.04	10.04	.0570	4XX544	50	5525	B+R+Y
PA316	AISI-316	.058	.51	1.50	.031	.012	16.65	2.03	10.09	.0525	4X5X44	50	5485	B+R+G
PA317	AISI-316	.054	.49	1.54	.035	.015	16.79	2.05	10.05	.0610	4XX544	43	4720	B+R+Blk

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

