

Sample Result Name	Type	Measure Date	Time	Recalculation Date	Time	Origin													
9515(HT NO PA317)	Unknown	Tuesday, May 27, 2014		11:41:13 AM		Measured													
Method Name	Fe-30-MO	Operator Name	SARA SAE	Check Type		Check Status													
Grade Verification Name	Grade Verification	Similarity	None	Type		Grade Search Name													
Grade Search	Similarity	0	Type	None	Status	Not Used													
0			Type		Outlier Removal														
Sample Name	Grade	9515(HT NO PA317)																	
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	0.081	0.43	1.48	0.032	0.018	16.92	2.15	10.07	0.011	0.22	0.39	0.025	0.018	0.060	0.088	<0.010	0.014	<0.005	<0.003
3	0.077	0.42	1.48	0.028	0.015	17.02	2.10	10.06	0.008	0.22	0.38	0.025	0.016	0.059	0.066	<0.010	0.014	<0.005	<0.003
4	0.071	0.42	1.47	0.026	0.013	17.03	2.07	10.11	0.006	0.23	0.38	0.023	0.015	0.057	0.076	<0.010	0.014	<0.005	<0.003
Rep	0.076	0.42	1.48	0.028	0.015	16.99	2.11	10.08	0.008	0.22	0.39	0.025	0.016	0.059	0.077	<0.010	0.014	<0.005	0.003
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	0.005	0.010	0.040	0.010	0.002	0.005	0.003
Mean	0.076	0.42	1.48	0.028	0.015	16.99	2.11	10.08	0.008	0.22	0.39	0.025	0.016	0.059	0.077	<0.007	0.014	<0.025	<0.003
Max Cal	3.00	5.04	18.12	0.18	0.30	36.00	10.20	55.2	6.24	7.44	3.60	3.60	12.00	7.32	0.13	0.27	0.13	0.19	
Ca	B	Fe																	
Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
2	0.002	0.001	68.0																
3	0.001	0.001	68.0																
4	0.0009	0.0009	68.0																
Rep	0.001	0.001	68.0																
Min Cal	0.0005	0.0005	68.0																
Mean	0.001	0.001	68.0																
Max Cal	0.016	0.025																	

OK as per 26-72

Ridgeback
29/11/14



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+Bk

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.



PARVATI PVT. LIMITED
DELHI

Lab Incharge

Quality Controller