

Sample Result Name	Type	Measure Date Time	Recalculation Date Time	Origin
pa-285 (8947)	Unknown	Wednesday, November 20, 2013	2:22:16 PM	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 Norm	Grade ID
pa 285 (8947)	SARA	AISI SS316

	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
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	0.061	0.32	1.12	0.014	<0.002	16.40	2.22	10.04	0.019	0.15	0.42	0.12	0.014	0.040	0.14	<0.010	0.010	<0.005	<0.00
2	0.054	0.31	1.13	0.014	<0.002	16.41	2.22	10.03	0.012	0.15	0.42	0.12	0.015	0.038	0.14	<0.010	0.010	<0.005	<0.00
3	0.051	0.31	1.11	0.016	<0.002	16.46	2.22	10.05	0.013	0.15	0.41	0.11	0.015	0.037	0.14	<0.010	0.010	<0.005	<0.00
4	0.044	0.31	1.12	0.014	<0.002	16.47	1.80	10.06	0.010	0.15	0.41	0.10	0.014	0.035	0.13	<0.010	0.011	<0.005	<0.00
Rep	0.053	0.31	1.12	0.015	<0.002	16.43	1.87	10.05	0.014	0.15	0.42	0.11	0.014	0.037	0.14	<0.010	0.010	<0.005	<0.00
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	0.053	0.31	1.12	0.015	<0.016	16.43	2.22	10.05	0.014	0.15	0.42	0.11	0.014	0.037	0.14	<0.006	0.010	<-0.018	<0.00
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
	%	%	%
1	0.002	0.001	69.2
2	0.001	0.0009	69.3
3	0.001	0.002	69.2
4	0.0009	0.0009	69.3
Rep	0.001	0.001	69.2
Min Cal	0.0005	0.0005	
Mean	0.001	0.001	69.3
Max Cal	0.016	0.025	

OK
SS316
Repal



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TEST CERTIFICATE

TC No.: P-198

Date : 16.11.13

INVOICE NO: 333

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
PA-285	AISI-316	.064	.52	1.52	.031	.021	16.66	2.04	10.07	.0530	4X5X44	30	3260	BLUE+YELLOW
PA-286	AISI-316	.064	.52	1.48	.033	.017	16.94	2.06	10.16	.0566	4X5X44	17	1845	BLUE+RED

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