

Sample Result Name	Type	Measure Date Time	Recalculation Date Time	Origin
#10436(INGOT 4X5 SS316) HT NO R-63	Unknown	Friday, January 09, 2015	5:46:22 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
#10436(INGOT 4X5 SS316) HT NO R-63

	C Conc %	Si Conc %	Mn Conc %	P Conc %	S Conc %	Cr Conc %	Mo Conc %	Ni Conc %	Al Conc %	Co Conc %	Cu Conc %	Nb Conc %	Ti Conc %	V Conc %	W Conc %	Pb Conc %	Sn Conc %	As Conc %	Zr Conc %
1	0.081	0.39	1.06	0.047	0.029	16.93	2.17	10.62	0.004	0.17	0.40	0.095	0.012	0.061	0.088	<0.010	0.005	<0.005	0.003
2	0.076	0.39	1.07	0.044	0.023	17.04	2.08	10.62	0.004	0.16	0.40	0.085	0.010	0.058	0.082	<0.010	0.005	<0.005	0.003
4	0.075	0.41	1.03	0.040	0.023	17.05	2.01	10.44	0.004	0.17	0.38	0.070	0.011	0.054	0.082	0.011	0.004	<0.005	0.003
Rep	0.077	0.40	1.05	0.044	0.025	17.00	2.09	10.56	0.004	0.17	0.39	0.083	0.011	0.058	0.084	0.010	0.005	<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	0.0010	0.002	0.040	0.010	0.002	0.005	0.003
Mean	0.077	0.40	1.05	0.044	0.025	17.00	2.09	10.56	0.004	0.17	0.39	0.083	0.011	0.058	0.084	0.010	0.005	<-0.013	0.003
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 Conc %	B Conc %	Fe Conc %																
1	0.001	0.0008	67.8																
2	0.0007	0.0007	67.8																
4	0.0007	0.0008	68.1																
Rep	0.0008	0.0008	67.9																
Min Cal	0.0005	0.0005																	
Mean	0.0008	0.0008	67.9																
Max Cal	0.016	0.025																	

Qualify in SS316 as per
AS 26-720
Deepak

Test Certificate

TC No: 64	Invoice No: 220	Date: 07-01-2015
Customer Name and Address: A-2, Sara Industrial Estate, Chakrata Road, Rampur, Dehradun		Sara Sae Pvt. Ltd.
Supply condition: As Ingots & as rolled round		

Chemical Analysis

Elements	C	Mn	P	SI	S	Cr	Mo	Ni	Heat No	PC S.	Weight	Grade	Size	Colour
Result	.058	1.09	.035	.38	.015	16.58	2.05	10.06	R-06	34	3240	SS316	4"X5"	Blue/Yellow
Result	.059	1.10	.036	.42	.014	16.21	2.03	10.07	R-09	33	3145	SS316	4"X5"	Blue/Red
Result	.060	1.06	.031	.41	.016	16.40	2.09	10.06	R-63	33	3145	SS316	4"X5"	Blue/White
Result	.056	1.11	.040	.43	.012	16.55	2.04	10.10	O-41	7	2175	SS316	90mm	White
Result	.056	1.13	.039	.44	.010	16.65	2.05	10.06	O-42	8	2485	SS316	90mm	Blue

Remarks:

1. Manufacturing Route: Induction Furnace
2. Material is free from residual radioactive elements.
3. Lead not added during manufacturing.

We are confirming that test result findings are correct and results are as per standard/customers requirement.

Alm
Quality Incharge

Qualify in SS316 as per 2ES 26-720
Deepali