

Sample Result Name	Type	Measure Date Time	Recalculation Date Time	Origin
SAMPLE NO-10185 (HNO-R-881)	Unknown	Tuesday, October 28, 2014	5:53:23 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
SAMPLE NO-10185 (HNO-R-881)	

	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	0.053	0.54	1.41	0.032	0.020	16.41	2.02	10.49	0.015	0.18	0.41	0.012	0.012	0.059	<0.040	<0.010	<0.002	<0.005	<0.003
3	0.055	0.51	1.44	0.031	0.024	16.40	2.09	10.47	0.017	0.17	0.43	0.016	0.013	0.064	<0.040	<0.010	<0.002	<0.005	<0.003
4	0.071	0.52	1.43	0.037	0.040	16.40	2.08	10.48	0.029	0.17	0.42	0.015	0.013	0.064	<0.040	<0.010	<0.002	<0.005	<0.003
Rep	0.060	0.52	1.43	0.033	0.028	16.40	2.06	10.48	0.020	0.17	0.42	0.014	0.013	0.062	<0.040	<0.010	<0.002	<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	0.060	0.52	1.43	0.033	0.028	16.40	2.06	10.48	0.020	0.17	0.42	0.014	0.013	0.062	<0.017	<0.006	<-0.003	<-0.022	<0.002
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	0.005	0.0008	68.3
3	0.006	<0.0005	68.2
4	0.009	0.0007	68.2
Rep	0.007	0.0007	68.2
Min Cal	0.0005	0.0005	
Mean	0.007	<0.0005	68.3
Max Cal	0.016	0.025	

*Quality in SS316 as per
SES 26-720
DePali*

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TEST CERTIFICATE

TC No.: P-263

Date : 22.10.14

INVOICE NO: 307

Customer Name & Address :

M/S SARA SAE P.LTD
DEHRADUN

Supply Condition :

AS ROLLED & CAST

CHEMICAL ANALYSIS IN PERCENTAGE

H.NO	Grade	C	Si	Mn	P	S	Cr	Mo	Ni	N	Size(MM)	Pc	Weight	Colour Code
R-881	AISI-316	.069	.54	1.53	.039	.019	16.84	2.07	10.12	.0520	70	12	2085	BLUE
PA-335	AISI-316	.063	.56	1.57	.033	.014	16.61	2.03	10.07	.0590	4X5X44	50	5590	B+Y
PA-336	AISI-316	.072	.51	1.49	.037	.020	16.87	2.05	10.10	.0510	4X5X44	40	4505	B+R

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



Quality in
SS316 as per
for 26-720
Deepali