



AMETEK
MATERIALS ANALYSIS DIVISION

9055

Heat N.-N-78
Blue

Sample Result Name	Type	Measure Date	Recalculation Date	Origin	Method Name	Method Version	Operator Name	Correction Type	Type Corr Sample Name
Check Type	Check Status		Grade Verification Name		Grade Verification Similarity		Grade Search Name		Grade Search Similarity
Sample Name	Grade Note	Grade							
Elements	CONC.								

Mass	C	Si	Mn	P	S	Cr	Mo	Ni	Al	Co
	%	%	%	%	%	%	%	%	%	%
Cal. Min	0.005	0.005	0.004	0.003	0.002	0.005	0.003	0.005	0.003	0.005
<x>	0.10	0.47	7.79	0.003	0.011	16.25	2.24	10.27	0.015	0.78
Cal. Max	3.00	5.04	18.12	0.10	0.30	36.00	10.20	55.2	6.34	21.50
Mean	0.10	0.47	1.19	<0.0003	0.011	15.25	2.24	10.21	0.015	0.18
Mass	Cu	Nb	Ti	V	W	Pb	Sn	As	Zr	Ca
	%	%	%	%	%	%	%	%	%	%
Cal. Min	0.002	0.005	0.0010	0.002	0.040	0.010	0.002	0.005	0.003	0.0005
<x>	0.39	0.049	0.018	0.004	0.070	<0.010	0.012	<0.005	0.003	0.007
Cal. Max	7.44	3.60	3.80	12.00	7.32	0.13	0.27	0.13	0.19	0.015
Mean	0.39	0.049	0.018	0.054	0.070	<0.003	0.012	<0.034	<0.002	0.001
Mass	B	Fe								
	%	%								
Cal. Min	0.0005	0.0005								
<x>	<0.0005	68.7								
Cal. Max	0.025									
Mean	<0.0002	68.8								

CSM
Duperon



PSI
Paras Steel Industries

Test Certificate

TC No: 64	Invoice No: 166	Date: 23-11-2013
Customer Name and Address: Behind Radha Swami Satsang Ghar, G.T. Road, Goraya, (Punjab)		Sara Sae Pvt. Ltd.
Supply condition: As rolled round		

Chemical Analysis

Elements	C	Mn	P	S	Cr	Mo	Ni	Heat No	PC S.	Weight	Grade	Size	Colour
Result	.066	1.23	.037	.011	16.52	2.02	10.06	N-77	10	1283	SS316	56mm	White
Result	.071	1.25	.037	.012	16.44	2.01	10.03	N-78	10	1303	SS316	56mm	Blue
Result	.067	1.23	.039	.013	16.47	2.01	10.05	N-79	10	1287	SS316	56mm	Yellow
Result	.062	1.36	.044	.013	16.73	2.01	10.05	N-80	10	1278	SS316	56mm	Green
Result	.064	1.31	.042	.018	16.90	2.02	10.06	O-06	10	1296	SS316	56mm	Black
Result	.059	1.22	.043	.013	16.35	2.03	10.08	O-27	11	1418	SS316	56mm	Pink

Remarks:

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

*OK in
SS316
@pall*

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

APL
Quality Incharge