

#9127

Sample Resi

Sample Result Name	Type	Measure Date Time	Recalculation Date Time	Origin
9127 / 1638/a-02/14	Unknown	Monday, January 13, 2014	4:13:32 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
9127 (1538/a-02/14	

	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
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
4	0.051	0.32	0.18	0.011	0.003	21.87	3.31	40.59	0.068	0.050	1.65	0.11	0.62	0.12	<0.040	0.012	0.010	0.011	<0.003
5	0.056	0.32	0.18	0.011	0.003	21.79	3.28	40.90	0.062	0.050	1.64	0.11	0.61	0.12	<0.040	0.011	0.008	0.009	<0.003
9	0.040	0.30	0.18	0.010	<0.002	21.87	3.27	41.13	0.053	0.049	1.64	0.11	0.60	0.12	<0.040	0.011	0.007	0.011	<0.003
Rep	0.049	0.31	0.18	0.011	0.002	21.84	3.29	40.87	0.061	0.050	1.64	0.11	0.61	0.12	<0.040	0.012	0.008	0.010	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	0.010	0.002	0.040	0.010	0.002	0.005	0.003
Mean	0.049	0.31	0.18	0.011	<0.002	21.84	3.29	40.87	0.061	0.050	1.64	0.11	0.61	0.12	<0.001	0.012	0.008	0.010	<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 %
4	0.002	0.002	30.97
5	0.003	0.002	30.80
9	0.002	0.001	30.56
Rep	0.002	0.002	30.77
Min Cal	0.0005	0.0005	
Mean	0.002	0.002	30.82
Max Cal	0.016	0.025	

Q2-04
Q2-04

1/13/2014

Sample Results



M.D. Steels Pvt. Ltd.

Plot No. F- 669 , Phase - II

RIICO Industrial Area , Bhiwadi, Distt.- Alwar (Rajasthan) 301019

Phone +91 1493 512079/225495 Fax +91 01493 222483

Email: mdsteels@ gmail.com Website : www mdsteels.com

Customer : M/s Sara Sae Pvt. Ltd. UNIT - II A-2, Sara Industrial Estate Ltd. Chakrata Road, Rampur Dehradun - 248197 - Uttarakhand	T.C. No. :	M- 1438
	Dated :	08.01.2014
	Heat No. :	1538/A -02 / 2014
	Date :	02.01.2014
P.O. No. :	Dated	20.12.2013
Specification : INC 825	Foundry identification :	MD
	Surface :	Proof Machine
	Casting Processed by	Induction melting

Heat Treatment : Solution Annealed at 1150 °C, 1.30 Hours Soaking and water quenched.

CHEMICAL COMPOSITION %

Element	C	Si	Mn	Cr	Ni	Mo	S	Al	Cu	Ti	P
Minimum	-	-	-	19.50	38.000	2.500	-	-	1.500	0.60	-
Maximum	0.050	0.500	1.000	23.50	46.000	3.500	0.030	0.200	3.000	1.20	0.030
Actual	0.037 ✓	0.480 ✓	0.255 ✓	20.60 ✓	40.100 ✓	2.980 ✓	0.019 ✓	0.040 ✓	2.000 ✓	0.80 ✓	0.015 ✓

MECHANICAL PROPERTIES

	Y.S	UTS	EL%	Reductio	Charpy At ambient	Bend Tes	Hardness			
	Mpa	Mpa	GI= 50mm	Area %	Ambient temp.		HRB			
Min										
Max.										
Actual										

S. No.	Description	Item & Code	Qty.
1	Centrifugally Casted Rings Proof Machined Size OD 406 mm X ID 371 mm X H- 28 mm	BX- 160 & II092-R	20 Nos. (21 - 40)

Remarks : Visual Inspection Carried out and dimension checked and found Ok.

on 20-8-15

specification and was found to meet the requirements and also compliance to the purchase order.

Gopal Das

Checked by

[Signature]
Approved by



M. D. STEELS (P) LTD.

F-669, Phase-II, Indl. Area

BHIWADI - 301 019.

☎ : 01493 - 222483, 512079