

41 9321

Sample Resu

Sample Result Name	Type	Measure Date Time	Recalculation Date Time	Origin
9321(hi no. 1614/c-07/2014)	Unknown	Wednesday, March 19, 2014	10:45:12 AM	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
9321(hi no. 1614/c-07/2014)

	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
2	0.041	0.50	0.27	<0.003	<0.002	20.41	3.19	40.94	0.068	0.068	1.86	0.070	1.31	0.10	<0.040	0.013	0.014	<0.005	<0.003
3	0.036	0.50	0.27	<0.003	<0.002	20.66	3.03	40.76	0.068	0.067	1.87	0.066	1.24	0.097	<0.040	0.014	0.015	0.005	<0.003
4	0.035	0.50	0.27	<0.003	<0.002	20.79	2.96	40.86	0.068	0.068	1.86	0.067	1.20	0.095	<0.040	0.013	0.015	0.005	<0.003
5	0.036	0.49	0.27	<0.003	<0.002	20.81	2.97	40.79	0.068	0.068	1.85	0.067	1.24	0.094	<0.040	0.014	0.013	0.008	<0.003
Rep	0.037	0.49	0.27	<0.003	<0.002	20.67	3.04	40.84	0.068	0.068	1.86	0.068	1.24	0.097	<0.040	0.014	0.014	0.008	<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	0.037	0.49	0.27	<0.0001	<0.006	20.67	3.04	40.84	0.068	0.068	1.86	0.068	1.24	0.097	<0.18	0.014	0.014	<0.004	<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	B	Fe
	Conc	Conc	Conc
2	0.0007	0.002	31.10
3	<0.0005	0.001	31.24
4	<0.0005	0.001	31.14
5	<0.0005	0.001	31.21
Rep	0.0006	0.001	31.17
Min Cal	0.0005	0.0005	
Mean	<0.0004	0.001	31.40
Max Cal	0.016	0.025	

OK As per 26-7-2014
19/05/14

3/19/2014

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	T.C. No. : M- 1514
A-2, Sara Industrial Estate Ltd.	Dated : 11.03.2014
Chakrata Road, Rampur	
Dehradun - 248197 - Uttarakhand	Heat No. : 1614/ C- 07 / 2014
	Date : 07.03.2014
Order dated 17.02.2014	
Specification : INC 825	Foundry identification : MD
	Surface : Proof Machine
	Casting Processed by Induction melting
Heat Treatment : Solution Annealed at 1060 °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	0.038	0.470	0.239	20.30	41.800	2.950	0.020	0.052	1.800	0.95	0.015

MECHANICAL PROPERTIES

	Y.S.	UTS	EL%	Reductio	Charpy At ambient	Bend Test	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 227 mm X ID 191 mm X H- 34 mm	RX- 46 & IL283-R	25 Nos. (01- 25)

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

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

Gopd Lax

Checked by

Approved by

[Signature]

for M. D. Steels Pvt. Ltd.



M. D. STEELS (P) LTD.

F-669, Phase-II, Indl. Area

BHIWADI - 301 019.

C : 01493 - 222483, 512079



*Ok in
27-8-14
@Raj*