

C-9494

Sample Res

Sample Result Name	Type	Measure Date Time	Recalculation Date Time	Origin
9494(1681/E-05/2014)	Unknown	Saturday, May 24, 2014	12:07:45 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
9494(1681/E-05/2014)

	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
4	0.038	0.45	0.75	0.082	0.022	20.39	2.80	40.01	0.056	0.13	1.62	0.043	0.66	0.069	<0.040	0.013	0.009	0.010	<0.003
5	0.033	0.44	0.77	0.068	0.017	20.59	2.71	39.82	0.056	0.13	1.63	0.043	0.66	0.066	<0.040	0.012	0.010	0.010	<0.003
6	0.031	0.46	0.76	0.074	0.020	20.51	2.65	39.92	0.056	0.13	1.63	0.041	0.65	0.065	<0.040	0.013	0.009	0.010	<0.003
Rep	0.034	0.45	0.76	0.075	0.020	20.50	2.72	39.92	0.056	0.13	1.63	0.042	0.66	0.067	<0.040	0.013	0.010	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	0.0010	0.002	0.040	0.010	0.002	0.005	0.003
Mean	0.034	0.45	0.76	0.075	0.020	20.50	2.72	39.92	0.056	0.13	1.63	0.042	0.66	0.067	<-0.013	0.013	0.010	0.010	<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
4	0.0008	0.002	32.80
5	0.0006	0.001	32.88
6	0.0005	0.002	32.93
Rep	0.0006	0.002	32.87
Min Cal	0.0005	0.0005	
Mean	0.0006	0.002	32.92
Max Cal	0.016	0.025	

OK as per 26-7-24
Leger Lovest
24/5/14

5/24/2014

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. Division - II A-2, Sara Industrial Estate Ltd. Chakrata Road, Rampur - SELAQUI Dehradun - 248197 - Uttarakhand	T.C. No.	: M- 1581
	Dated	: 12.05.2014
	Heat No.	: 1681/E- 05 / 2014
	Date	: 05.05.2014
Order No. Dated 19.04.2014		
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	0.045	0.460	0.180	20.75	40.500	2.900	0.017	0.013	1.750	0.80	0.013

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 OD 176 mm X ID 133 mm X H - 31 mm	I2626-R	80 Nos. (01- 80)

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.

Gopal Dass
Checked by

[Signature]
Approved by



M. D. STEELS (P) LTD.
F-669, Phase-II, Indl Area
BHIWADI - 301 019.
☎ : 01493 - 222483, 512079