



#9150

Sample Res

Sample Result Name	Type	Measure Date Time	Recalculation Date Time	Origin														
015011555/1-13/14	Unknown	Thursday January 30, 2014	4:59:02 PM	Measured														
Method Name	Method Version	Operator Name	Check Type	Check Status														
Fr-3-AM0		S-PA 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																	
015011555/1-13/14																		
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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	0.025	0.13	0.43	0.006	<0.002	21.33	2.66	40.11	0.094	0.056	1.67	0.031	0.74	0.032	<0.040	0.012	0.002	<0.005
Rep	0.025	0.13	0.43	0.006	<0.002	21.33	2.66	40.11	0.094	0.056	1.67	0.031	0.74	0.032	<0.040	0.012	0.002	<0.005
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
Mean	0.025	0.13	0.43	0.006	<0.003	21.33	2.66	40.11	0.094	0.056	1.67	0.031	0.74	0.032	<0.071	0.012	0.002	<0.004
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
Ca	B	Fe																
Conc	Conc	Conc																
%	%	%																
1	0.002	0.0006	32.63															
Rep	0.002	0.0006	32.63															
Min Cal	0.0005	0.0005																
Mean	0.002	0.0006	32.75															
Max Cal	0.016	0.025																

OK in

0.0

OK in
2N-825' grade
Dwyer

2/7/2014

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- 1455
	Dated	20.01.2014
	Heat No.	1555/A- 13 / 2014
	Date	13.01.2014

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 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	0.032	0.480	0.220	21.80	39.500	2.990	0.015	0.042	1.900	0.92	0.017

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 343 mm X ID 300 mm X H- 36 mm	RX- 54 & I1337-R	14 Nos. (16 - 29)

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



Quality Control

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

*sh
dhruv
Nash*