# 9148
Sample Results

Sample Result Name		Type	Measure Date Time		Recalculation Date Time		Origin												
9148 (In 00-15478-08/2014)		Grade	Monday January 27, 2014		11:44:40 AM		Measured												
Method Name		Method Version	Operator Name		Check Type		Check Status												
Fe-30-MD			SARA SAE		None		Not Used												
Grade Verification Name		Grade Verification Similarity	Correction Type		Type Corr Sample Name		Grade Search Name												
Grade Search Similarity		Type	Status		Outlier Removal														
0		None	Not Used																
Sample Name		Grade																	
9148 (In 00-15478-08/2014)																			
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	0.070	0.12	0.61	0.006	<0.002	16.65	2.62	11.59	0.020	0.16	0.41	0.014	0.007	0.059	0.045	<0.010	0.003	<0.005	0.003
3	0.068	0.15	0.59	0.009	<0.002	17.12	2.52	11.51	0.019	0.17	0.39	0.014	0.008	0.053	0.073	0.011	0.002	<0.005	0.004
4	0.072	0.13	0.60	0.008	0.002	17.03	2.55	11.54	0.021	0.17	0.41	0.017	0.008	0.057	0.069	<0.010	0.004	<0.005	0.004
Rep	0.070	0.14	0.60	0.008	0.002	16.93	2.57	11.55	0.020	0.16	0.40	0.015	0.008	0.056	0.062	0.010	0.003	<0.005	0.004
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	0.070	0.14	0.60	0.008	<0.002	16.93	2.57	11.55	0.020	0.16	0.40	0.015	0.008	0.056	0.062	<0.010	0.003	<0.019	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	0.19
Ca	B	Fe																	
Conc	Conc	Conc																	
%	%	%																	
2	0.005	<0.0005	67.6																
3	0.008	<0.0005	67.3																
4	0.007	<0.0005	67.3																
Rep	0.007	<0.0005	67.4																
Min Cal	0.0005	0.0005	67.4																
Mean	0.007	<0.0000	67.4																
Max Cal	0.016	0.025	67.4																

SM
SARA
SARA

1/29/2014

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- 1447
	Dated	: 14.01.2014
	Heat No.	: 1547/A - 08/ 2014
	Date	: 08.01.2014

P.O. No. : PO- 5351 Dated 04.01.2014

Specification : SS 316

Foundry identification : MD

Casting Processed by Induction melting

Heat Treatment : Solution Annealed at 1060⁰ C, 1.30 Hours Soaking and Water Quenched

CHEMICAL COMPOSITION %

Element	C	Si	Mn	Cr	Ni	Mo	S	P			
Minimum	-	-	-	16.000	10.000	2.000	-	-			
Maximum	0.080	1.000	2.000	18.000	15.000	3.000	0.030	0.045			
Actual	0.0342	0.506	1.400	16.500	11.500	2.440	0.0172	0.020			

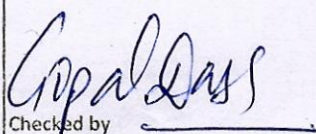
MECHANICAL PROPERTIES

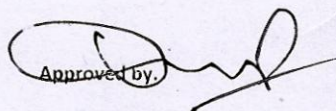
	Y.S	UTS	EL%	Reduction of Area	Charpy At ambient	Bend Test	Hardness			
	Mpa	Mpa	GI= 50mm	Area %	Ambient temp.		BHN			
Min	-	-	-	-	-	-	-			
Max.	-	-	-	-	-	-	-			
Actual										

S. No.	Description	Item Code	Qty.
1	Ring Jonit Gasket, RX - 63 Proof Machine Size OD 446 mm X ID 383 mm X H- 56 mm	IG364- R	10 Nos. (01- 10)

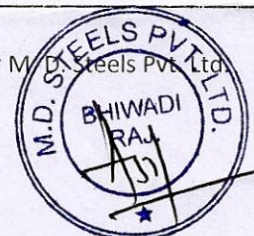
Remarks : Visual Inspection Carried out and dimension checked and found Ok.

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

Checked by 

Approved by. 

for M.D. Steels Pvt. Ltd.



Quality Control

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