

#9882

Sample Result Name	Type	Measure Date Time	Recalculation Date Time	Origin
9882 (11077,11052) HNO-1808/ H-11/2014	Unknown	Friday, August 29, 2014	2:30:51 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			
9882 (11077,11052) HNO-1808/ H-11/2014				

	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	0.048	0.33	0.51	0.025	0.029	23.11	3.41	38.57	0.092	0.13	1.73	0.11	0.77	0.12	<0.040	0.012	0.029	<0.005	0.004
3	0.051	0.33	0.50	0.027	0.028	23.14	3.41	38.50	0.10	0.13	1.74	0.11	0.76	0.12	<0.040	0.011	0.027	<0.005	0.003
4	0.050	0.33	0.51	0.027	0.031	23.16	3.46	38.48	0.11	0.13	1.72	0.10	0.78	0.12	<0.040	0.011	0.031	<0.005	0.004
Rep	0.050	0.33	0.51	0.027	0.029	23.14	3.43	38.52	0.10	0.13	1.73	0.11	0.77	0.12	<0.040	0.012	0.029	<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	0.050	0.33	0.51	0.027	0.029	23.14	3.43	38.52	0.10	0.13	1.73	0.11	0.77	0.12	<0.019	0.012	0.029	<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	0.19
	Ca	B	Fe																
	Conc	Conc	Conc																
	%	%	%																
2	0.005	0.003	30.91																
3	0.003	0.004	30.97																
4	0.005	0.004	30.89																
Rep	0.004	0.004	30.92																
Min Cal	0.0005	0.0005	30.95																
Mean	0.004	0.004																	
Max Cal	0.016	0.025																	

Quality in 981082 as per 86-924A

Depoli

9/2/2014

Sample Results

MRV NO → 18847
PO NO → 7054



M.D. Steels Pvt. Ltd.

Plot No. F- 669 , Phase - II

RICO 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-1708
	Dated	: 19.08.2014
	Heat No.	: 1808/H-11/2014
	Date	: 11.08.2014
Order No. 7054 Dated 15.07.2014		
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	0.039	0.430	0.282	21.00	41.000	2.950	0.005	0.016	1.780	1.10	0.003

MECHANICAL PROPERTIES

	Y.S	UTS	EL%	Reduction	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 - BX - 155 OD 152 X mm X ID 115 mm X H- 20 mm	II052-R	80 Nos. (01 - 80)
2	Centrifugally Casted Rings - BX 158 OD 356 X mm X ID 302 mm X H- 27.5mm	II077-R	15 Nos. (01 - 15)

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

Approved by



Qualify in HN-B25 as per Sec 26-724 A
Deepak

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