

Sample Result Name	Type	Measure Date Time	Recalculation Date Time	Origin
9884 (I1060) HNC-1810/H-02/2014)	Unknown	Friday, August 29, 2014	2:59:36 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
9884 (I1060) HNC-1810/H-02/2014)

	C	Si	Mn	P	S	Cr	Mo	Ni	Al	Co	Cu	Nb	Ti	V	W	Pb	Sn	As	Zr
1	0.042	0.27	0.63	0.022	0.027	21.41	2.79	41.13	0.069	0.11	1.55	0.068	0.74	0.13	<0.040	<0.010	0.031	<0.005	<0.003
Rep	0.042	0.27	0.63	0.022	0.027	21.41	2.79	41.13	0.069	0.11	1.55	0.068	0.74	0.13	<0.040	<0.010	0.031	<0.005	<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	0.042	0.27	0.63	0.022	0.027	21.41	2.79	41.13	0.069	0.11	1.55	0.068	0.74	0.13	<0.0002	<0.009	0.031	<0.0002	<0.003
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																
	%	%	%																
1	0.003	0.003	30.91																
Rep	0.003	0.003	30.91																
Min Cal	0.0005	0.0005																	
Mean	0.003	0.003	30.96																
Max Cal	0.016	0.025																	

Quality in TN-bas as
per 808 26-724 A

Deputy

M/RV No → 18847
Po No → 7054



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- 1710
	Dated :	19.08.2014
	Heat No. :	1810/H -02/ 2014
	Date :	02.08.2014
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	0.041	0.410	0.631	20.90	39.500	2.870	0.008	0.046	1.700	0.85	0.003

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.
2	Centrifugally Casted Rings - BX 156 OD 242 X mm X ID 196 mm X H- 22 mm	II060 -R	50 Nos. (01 - 50)

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
Deepak

Approved by
[Signature]



OK in INB as
per spec 26 - 724 A
Deepak

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