

Sample Result Name	9804 (HNO-1773/G-22/2014) MD STEEL	Type	Linkdown	Measure Date Time	Wednesday, August 06, 2014	Recalculation Date Time	5:03:28 PM	Origin	Measured
Method Name	Fe-30-MO	Method Version		Operator Name	SARFA SAE	Check Type	None	Check Status	Not Used
Grade Verification Name		Grade Verification Similarity	0	Correction Type		Type Corr Sample Name		Grade Search Name	
Grade Search Similarity	0	Type	None	Status	Not Used	Outlier Removal			
Sample Name	9804 (HNO-1773/G-22/2014) MD STEEL	Grade							

	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	0.045	0.42	0.59	0.044	0.022	21.98	3.16	38.29	0.091	0.099	1.90	0.16	1.03	0.14	<0.040	0.014	0.020	0.006	0.004
Rep	0.045	0.42	0.59	0.044	0.022	21.98	3.16	38.29	0.091	0.099	1.90	0.16	1.03	0.14	<0.040	0.014	0.020	0.006	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	0.045	0.42	0.59	0.044	0.022	21.98	3.16	38.29	0.091	0.099	1.90	0.16	1.03	0.14	<0.015	0.014	0.020	0.006	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	Conc	B	Conc	Fe															
	%	%	%	%															
2	0.001	0.002	31.95																
Rep	0.001	0.002	31.95																
Min Cal	0.0005	0.0005																	
Mean	0.001	0.002	31.97																
Max Cal	0.016	0.025																	

Quality in TN-826 as per
Ses 26-724A
@enph



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- 1673
Dated : 04.08.2014
Heat No. : 1773/G- 22 / 2014
Date : 22.07.2014

Order No. 7054 Dated 15.07.2014

Specification : JNC 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	0.040	0.460	0.248	21.20	40.800	3.000	0.005	0.044	1.850	1.02	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.
1	Centrifugally Casted Rings - BX- 152 OD 88.6 mm X ID 60 mm X H - 14.3 mm	II028-R	350 Nos. (01- 350)

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