

#9126

Sample Re:

Sample Result Name	9126 (1537/a-01/14)	Type	Unknown	Measure Date Time	Monday, January 13, 2014	Recalculation Date Time	4:06:26 PM	Origin	Measured
Method Name	Fe-30-MO	Method Version	SARA SAE	Operator Name	SARA SAE	Check Type	None	Check Status	Not Used
Grade Verification Name	Grade Verification Similarity	Grade Verification Similarity	0	Correction Type	None	Type Corr Sample Name	Grade Search Name	Grade Search Name	Grade Search Name
Grade Search Similarity	0	Type	None	Status	Not Used	Outlier Removal			

Sample Name
9126 (1537/a-01/14)

	C	SI	Mn	P	S	Cr	Mo	Ni	Al	Co	Cu	Nb	Ti	V	W	Pb	Sn	As	Zr
7	0.046	0.38	0.18	0.010	<0.002	21.36	3.14	40.31	0.067	0.049	1.62	0.096	0.74	0.14	<0.040	0.013	0.008	0.020	0.003
9	0.055	0.41	0.18	0.010	<0.002	22.06	3.01	39.68	0.072	0.051	1.56	0.088	0.72	0.12	<0.040	0.015	0.006	0.019	0.004
10	0.041	0.39	0.18	0.011	<0.002	21.44	3.10	40.22	0.064	0.048	1.58	0.085	0.74	0.13	<0.040	0.013	0.006	0.018	<0.003
Rep	0.048	0.39	0.18	0.010	<0.002	21.62	3.08	40.07	0.068	0.049	1.59	0.090	0.73	0.13	<0.040	0.014	0.007	0.019	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	0.048	0.39	0.18	0.010	<0.002	21.62	3.08	40.07	0.068	0.049	1.59	0.090	0.73	0.13	<0.009	0.014	0.007	0.019	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	Conc	B	Fe																
7	0.002	0.002	31.77																
9	0.002	0.002	31.89																
10	0.0007	0.002	31.90																
Rep	0.002	0.002	31.85																
Min Cal	0.0005	0.0005	31.90																
Mean	0.002	0.002	31.90																
Max Cal	0.016	0.025																	

OK
1/13/2014
[Signature]

1/13/2014

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- 1437
	Dated	: 08.01.2014
	Heat No.	: 1537/A -01 / 2014
	Date	: 01.01.2014

P.O. No. : Dated 20.12.2013	Surface : Proof Machine
Specification : INC 825	Foundry identification : MD
	Casting Processed by Induction melting

Heat Treatment : Solution Annealed at 1150⁰ 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	0.048	0.480	0.230	20.20	41.000	3.050	0.015	0.052	1.910	1.06	0.016

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 406 mm X ID 371 mm X H- 28 mm	BX- 160 & II092-R	20 Nos. (01 - 20)

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

for M. D. Steels Pvt. Ltd.



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