

M.D STEELS.txt

Sample Name	Type	Meas. Date	Time	Calc. Date	Time	Origin	Method Name
Method Version	Operator Name	Check Type	Check Status	Grade Verif. Name	Grade	Search Name	Grade
Grade Verif. %	Correction Type	Type	Corr. Name	Grade	Search Name	Grade	Grade
Search %	Type	Status	Outlier Removal				
H.N -1227/A-05/2013	Unknown	1/21/2013	2:34:16 PM	1/21/2013	2:34:39 PM		
Measured	Fe-30-MO			SARA SAE			OK
INCONEL-825	100	None		INCONEL-825	100	Grubbs	Not Used

Sample Name	Grade	Norm	Grade ID							
H.N -1227/A-05/2013	SARA		INCONEL-825							
C	Si	Mn	P	S	Cr	Mo	Ni	Al	Co	
Nb	Ti	V	W	Pb	Sn	As	Zr	Ca	B	
Cu										
Fe										
Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	
Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	
%	%	%	%	%	%	%	%	%	%	
%	%	%	%	%	%	%	%	%	%	
1	0.043	0.52	0.45	0.012	0.023	22.21	3.23	40.81	0.068	
0.092	1.64	0.057	0.67	0.074	0.040	0.012	0.016	0.010	0.003	
0.0008	0.003	30.03								
2	0.036	0.51	0.46	0.011	0.022	22.43	3.09	40.72	0.066	
0.091	1.66	0.056	0.64	0.072	0.040	0.013	0.015	0.010	0.003	
0.0005	0.003	30.05								
3	0.034	0.51	0.45	0.011	0.020	22.51	3.07	40.71	0.065	
0.090	1.68	0.055	0.63	0.071	0.040	0.013	0.018	0.008	0.003	
0.0005	0.003	30.01								
Mean	0.038✓	0.50	0.45✓	0.011	0.021✓	22.38✓	3.13✓	40.74✓	0.066✓	
0.091	1.66	0.056	0.65	0.073	0.017	0.013	0.016	0.009	0.003	
0.0005	0.003	30.05								



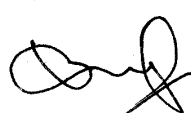
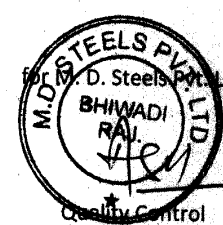
M.D. Steels Pvt. Ltd.

Plot No. F- 669 , Phase - II

RIICO Industrial Area , Bhiwadi, Distt.- Alwar (Rajasthan) 301019

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Email: mdsteels@gmail.com Website : www.mdsteels.com

Customer : M/s Sara Sae Pvt. Ltd. UNIT - II A-2, Sara Industrial Estate Chakrata Road, Rampur Dehradun - 248197 - Uttarakhand		T.C. No.	: M- 1127								
		Dated	: 09.01.2013								
		Heat No.	: 1227/A- 05/ 2013								
		Date	: 05.01.2013								
P.O. No. : 3157 Dated 26.12.2012											
Specification : INC 825		Foundry identification : MD									
		Casting Processed by Induction melting									
Heat Treatment : Solution Annealed at 1150 °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	0.467	0.460	21.30	40.000	3.300	0.019	0.040	1.970	1.00	0.011
MECHANICAL PROPERTIES											
	Y.S	UTS	EL%	Reductio	Charpy At ambient		Bend Tes	Hardness			
	Mpa	Mpa	GI= 50mm	Area %	Ambient temp.			HRB			
Min	276.0	586.0	30.0	50	-		-	-			
Max.	-	-	-	-	-		-	-			
Actual	282.0	602.0	36.0	55				72			
S. No.	Description						Item Code		Qty.		
1	Ring Joint Gasket, BX - 157, Proof Machined Size : OD 300 mm X ID 247.5 mm X Thickness 25 mm						GI069		10 Nos.		
2	Ring Joint Gasket, BX - 159, Proof Machined Size : OD 432 mm X ID 372 mm X Thicknee 29 mm						GI084		13 Nos.		
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.							

M. D. STEELS (P) LTD.

F-669, Phase-II, Indl Area

BHIWADI - 301 019.

☎ : 01493 - 222483, 512079