

Heat No S876

Dia - 56mm

Sample Result Name	Type	Measure Date Time	Recalculation Date Time	Origin	Method Name	Method Version	Operator Name	Correction Type	Type Corr Sample Name
HEAT NO S876/SARA/AI SI 1006	Unknown		8/15/2014 12:28:15 AM	Measured	Fe-10-MQ		9913	None	
Check Type	Check Status	Grade Verification Name			Grade Verification Similarity		Grade Search Name		Grade Search Similarity
None	Not Used				0 %				0 %
Sample Name	Grade Nom	Grade							
HEAT NO S876	SARA	AI SI 1006							

Elements Conc.

Meas.	C	Si	Mn	P	S	Cr	Mo	Ni	Al	Co
	%	%	%	%	%	%	%	%	%	%
	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.
Cal. Min	0.005	0.005	0.004	0.003	0.002	0.005	0.003	0.005	0.003	0.002
<x>	0.061	0.097	0.48	0.039	0.032	0.043	0.007	0.033	0.091	0.005
Cal. Max	1.80	24.00	2.76	0.16	0.30	10.10	10.20	6.48	2.40	2.52
Mean	0.061	0.097	0.48	0.039	0.032	0.043	0.007	0.033	0.091	0.005

0.06 0.09 0.50 0.018 0.032 0.05 0.01

Meas.	Cu	Nb	Ti	V	W	Pb	Sn	As	Zr	Ca
	%	%	%	%	%	%	%	%	%	%
	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.
Cal. Min	0.002	0.003	0.0010	0.002	0.030	0.010	0.002	0.005	0.003	0.0005
<x>	0.094	0.003	0.010	<0.002	<0.030	0.016	0.006	<0.005	0.003	0.007
Cal. Max	1.44	0.39	1.20	1.32	3.72	0.31	0.18	0.17	0.28	0.016
Mean	0.094	<0.011	0.010	<0.001	<0.035	0.016	0.006	<0.0002	<0.001	0.007

Meas.	Ce	B	Zn	La	Fe					
	%	%	%	%	%					
	Conc.	Conc.	Conc.	Conc.	Conc.					
Cal. Min	0.006	0.0005	0.003	0.002						
<x>	0.007	0.0005	0.011	0.007	98.9					
Cal. Max	0.66	0.018	0.036	0.27						
Mean	0.007	<0.0004	0.011	0.007	99.0					

SHARU STEELS (P) LTD.

B-48 & D-251, Phase-VII, Focal Point, LIJAHANA - 141 404
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QUALITY ASSURANCE DEPARTMENT
METALLURGICAL TEST REPORT

TEST CERTIFICATE

F-QCD-03



ISO 9001:2008
ISO 14001:2004

SHARU STEEL PRIVATE LIMITED UNIT NO.4
BACK SIDE SARHA SMART SATSANG ROAD,
VILLAGE KARAL ROAD, S.T. ROAD,

ODHAVA (PINWAR)

T.C. No. 48/3

Date 21-05-2014

Invoice No.

Truck No. 92/MG-1404

GRADE	SIZE	HEAT NO	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDITION	QNTY MT	NO. OF PCS
SAR1008	50 MM	S-275	L/RT	YELLOW	AS SUPPLIED	5.350 MT	10052

CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Co	Se	Ti	B	Ca
Min.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Max.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Actual	0.05	0.47	0.002	0.002	0.05	-	-	-	-	0.01	-	-	-	-	-

METALLURGICAL RESULTS

INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A

	A		B		C		D		Final Grain Size ASTM No (E-112)	L/T	Gas content (ppm)	
	T	H	T	H	T	H	T	H				
STD MAX	-	-	-	-	-	-	-	-	Decarb (mm)	-	O ₂	-
ACTUAL	1.5	-	1.4	-	1.0	-	1.0	-	Micro Structure	VIT	N ₂	-
									-		H ₂	-

MECHANICAL PROPERTIES

	UTS	YS	EL %	RA %	Impact Value	Hardness B.H.N. / Rc	MACRO	ULTRASONIC TEST	MIX UP TEST
Reqd.	-	-	-	-	-	-			
Actual	-	-	-	-	-	-			

HARDENABILITY (HRC) AS PER IS : 3848

Distance	-	-	-	-	-	-	-	-	-
Reqd	-	-	-	-	-	-	-	-	-
Actual	-	-	-	-	-	-	-	-	-

Remarks :