

9815

Sample Result Name	Type	Measure Date Time	Recalculation Date Time	Origin
9815 (strip-36 x36)s-654	Unknown	Wednesday, August 13, 2014	2:48:09 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	Grade			
9815 (strip-36 x36)s-654				

	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
1	0.062	0.096	0.45	0.021	0.028	0.067	<0.003	0.067	0.032	0.009	0.10	<0.005	0.003	<0.002	<0.040	<0.010	0.011	<0.005	<0.003
2	0.061	0.094	0.45	0.021	0.028	0.065	<0.003	0.055	0.056	<0.005	0.094	<0.005	0.004	<0.002	<0.040	<0.010	0.009	<0.005	<0.003
4	0.062	0.076	0.36	0.029	0.060	0.065	0.006	0.057	0.028	<0.005	0.095	<0.005	0.002	<0.002	<0.040	<0.010	0.008	0.006	<0.003
Rep	0.061	0.089	0.42	0.024	0.039	0.066	0.004	0.060	0.039	0.006	0.096	<0.005	0.003	<0.002	<0.040	<0.010	0.009	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	0.061	0.089	0.42	0.024	0.039	0.066	0.003	0.060	0.039	0.006	0.096	<0.013	0.003	<0.006	<0.032	<0.006	0.009	<0.005	<0.002
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	0.001	<0.0005	99.0																
2	0.0010	<0.0005	99.0																
4	0.0010	0.0007	99.1																
Rep	0.0010	0.0006	99.0																
Min Cal	0.0005	0.0005																	
Mean	0.0010	<0.0003	99.1																
Max Cal	0.016	0.025																	

Quality in 1008 as per SAs
26-618
@epale

8/16/2014

Sample Results



SHARU STEELS (P) LTD.

B-48 & D-251, Phase-VII, Focal Point, LUDHIANA - 141 010.
Mobile : 98550-82559 E-mail : info@sharusteels.com & sales@sharusteels.com

QUALITY ASSURANCE DEPARTMENT
METALLURGICAL TEST REPORT

F-QCD-03

ISO 9001 : 2008
Certified Company

18348

TEST CERTIFICATE

M/S. SARA SAE PRIVATE LIMITED DIVISION-II
A-2 SARA INDUSTRIAL ESTATE LTD.
CHAKRATA ROAD, SELAQUI RAMPUR
DEHRADUN (UTTRAKHAND)

T.C. No. 0437

Date 06-08-2014

Invoice No.

Truck No. PB23C/9691

GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY COND.	QNTY. M.T.	NO. OF PCS.
LCS	36X36	S-654	L/HT	ORANGE	AS-ROLLED	5.285 MT	LOOSE

CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.															
Max.															
Actual	0.10	0.43	0.025	0.035	0.07					0.028					

METALLURGICAL RESULTS

INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A										Aust. Grain Size ASTM No. (E-112)	Gas content (ppm)	
	A		B		C		D		Decarb. (MM)	5/6	O ₂	
	T	H	T	H	T	H	T	H			N ₂	
STD MAX									Micro-Structure		H ₂	
ACTUAL	1.0		1.0		1.0		1.0	0.5		P+F		

MECHANICAL PROPERTIES

	U.T.S.	Y.S.	EL %	RA %	Impact Value	Hardness B.H.N. / Rb	MACRO	ULTRASONIC TEST	MIX UP TEST
Reqd.							OK		OK
Actual									

HARDENABILITY (HRC) AS PER IS : 3848

Distance									
Reqd.									
Actual									

Remarks :

Quality in 1008 grade
as per Ss 26-615
Depals