

Sample Result Name		Type		Measure Date Time		Recalculation Date Time		Origin	
9672-C (HNO-S-325) STRIP 25 X 35		Unknown		Tuesday, July 08, 2014		3:12:28 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							
9672-C (HNO-S-325) STRIP 25 X 35									

	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	0.089	0.10	0.46	0.029	0.024	0.091	<0.003	0.085	0.061	<0.005	0.071	<0.005	0.003	0.006	<0.040	<0.010	0.007	<0.005	<0.003
2	0.096	0.10	0.46	0.027	0.022	0.068	<0.003	0.065	0.066	<0.005	0.067	<0.005	0.008	0.003	<0.040	<0.010	0.007	<0.005	<0.003
3	0.094	0.10	0.44	0.032	0.021	0.056	<0.003	0.060	0.058	<0.005	0.065	<0.005	0.006	0.003	<0.040	0.011	0.007	<0.005	<0.003
Rep	0.093	0.10	0.45	0.029	0.022	0.072	0.003	0.070	0.062	<0.005	0.067	<0.005	0.006	0.004	<0.040	0.010	0.007	<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	0.006	0.004	<0.040	0.010	0.002	<0.005	0.003
Mean	0.093	0.10	0.45	0.029	0.022	0.072	<0.007	0.070	0.062	<0.002	0.067	<0.009	0.006	0.004	<0.020	0.010	0.002	<0.004	<0.001
Max Cal	3.00	5.04	18.12	0.18	0.30	0.072	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	0.011	<0.0005	98.9																
2	0.011	<0.0005	98.9																
3	0.007	<0.0005	99.0																
Rep	0.009	<0.0005	98.9																
Min Cal	0.0005	0.0005																	
Mean	0.009	<0.0002	99.0																
Max Cal	0.016	0.025																	

7/11/2014

OK in 1008
Teejary

Sample Results



SHARU STEELS (P) LTD.

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

QUALITY ASSURANCE DEPARTMENT
METALLURGICAL TEST REPORT

TEST CERTIFICATE

F-QCD-03



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

T.C. No. 0086

Date 02-07-2014

Invoice No.

Truck No. PB11AN-8494

GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY COND.N.	QNTY. M.T.	NO. OF PCS.
SAE1008	25X35 MM	S-325	L/HT	WHITE	AS ROLLED	5.580 MT	LOOSE

CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.															
Max.															
Actual	0.09	0.44	0.027	0.030	0.06					0.020					

METALLURGICAL RESULTS

INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A									Aust. Grain Size ASTM No. (E-112)	6/7	Gas content (ppm)	
	A		B		C		D				Decarb. (MM)	
	T	H	T	H	T	H	T	H	N ₂			
STD MAX												
ACTUAL	1.0		1.0		1.0		1.0			P+F	H ₂	

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									
Regd.									
Actual									

Remarks :