

Sample Result Name	9648(HT NO-S-361)	Type	Unknown	Measure Date Time	Friday, July 04, 2014	Recalculation Date Time	7:05:37 PM	Origin	Measured
Method Name	Fe-30-MO	Method Version		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 Similarity	0	Type	None	Status	Not Used	Outlier Removal			

Sample Name
9648(HT NO-S-361)

	C	Si	Mn	P	S	Cr	Mo	Ni	Al	Co	Cu	Nb	Ti	V	W	Pb	Sn	As	Zr
1	0.098	0.086	0.50	0.039	0.033	0.072	<0.003	0.045	0.034	<0.005	0.032	<0.005	0.011	0.004	<0.040	<0.010	<0.002	<0.005	<0.003
2	0.093	0.088	0.49	0.040	0.028	0.070	0.004	0.045	0.032	<0.005	0.032	<0.005	0.009	0.004	<0.040	<0.010	<0.002	<0.005	<0.003
3	0.081	0.088	0.49	0.034	0.026	0.068	0.003	0.045	0.032	<0.005	0.032	<0.005	0.009	0.002	<0.040	<0.010	<0.002	<0.005	<0.003
Rep	0.091	0.087	0.50	0.037	0.029	0.070	0.003	0.045	0.033	<0.005	0.032	<0.005	0.010	0.003	<0.040	<0.010	<0.002	<0.005	0.003
Min Cal	0.006	0.005	0.004	0.003	0.002	0.005	0.003	0.005	0.003	<0.003	0.002	0.005	0.010	0.002	0.040	0.010	0.002	0.005	0.003
Mean	0.091	0.087	0.50	0.037	0.029	0.070	<0.003	0.045	0.033	<0.003	0.032	<0.008	0.010	0.003	<0.002	<0.007	<0.001	<0.005	<0.001
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
1	0.001	<0.0005	99.0
2	0.0006	<0.0005	99.0
3	<0.0005	<0.0005	99.0
Rep	0.0008	<0.0005	99.0
Min Cal	0.0005	0.0005	99.1
Mean	0.0007	<0.0002	99.1
Max Cal	0.016	0.025	

OK in 1008 grade
as per S&S 26-615

7/7/2014

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



ISO/TS
16949 : 2009
ISO 9001 : 2008
ISO 14001 : 2004

1731)

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

DEHRADUN (UTTRAKHAND)

T.C. No. 0034

Date 28-06-2014

Invoice No.

Truck No. MPO9HR-8633

GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY COND.N.	QNTY. M.T.	NO. OF PCS.
SAE1008	30X30 MM	S-361	L/HT	YELLOW	AS ROLLED	7.565 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	0.48	0.032	0.031	0.09					0.035					

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)	6/7	O ₂	
T	H	T	H	T	H	T	H				N ₂	
STD									Micro-Structure	P+F	H ₂	
MAX												
ACTUAL	1.0		1.0		1.0		1.0					

MECHANICAL PROPERTIES

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

HARDENABILITY (HRC) AS PER IS : 3848

Distance											
Regd.											
Actual											

Remarks :