

419861

Sample Results

Sample Result Name	Type	Measure Date Time	Recalculation Date Time	Origin
9861 (DIA-56 MM) HNO-S-99	Unknown	Saturday, August 30, 2014	11:32:04 AM	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
9861 (DIA-56 MM) HNO-S-99

	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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
2	0.070	0.098	0.28	0.032	0.029	<0.005	<0.003	0.044	0.014	<0.005	0.014	<0.005	<0.0010	<0.002	<0.040	<0.010	0.037	0.022	<0.003
4	0.074	0.14	0.38	0.037	0.035	<0.005	<0.003	0.047	0.024	<0.005	0.012	<0.005	<0.0010	<0.002	<0.040	0.012	0.037	0.023	<0.003
5	0.080	0.12	0.35	0.038	0.039	<0.005	<0.003	0.051	0.026	<0.005	0.013	<0.005	<0.0010	<0.002	<0.040	<0.010	0.045	0.026	<0.003
Rep	0.074	0.12	0.34	0.035	0.034	<0.005	0.003	0.047	0.021	<0.005	0.013	<0.005	0.0010	0.002	0.040	0.011	0.040	0.024	0.003
Min Cal	0.006	0.005	0.004	0.003	0.002	<0.0004	<0.007	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	0.074	0.12	0.34	0.035	0.034	<0.0004	<0.007	0.047	0.021	<0.005	0.013	<0.052	<0.008	<0.019	<0.16	<0.008	0.040	0.024	<0.0005
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																	
%	%	%																	
2	0.0007	0.005	99.3																
4	0.001	0.005	99.1																
5	0.002	0.005	99.1																
Rep	0.001	0.005	99.2																
Min Cal	0.0005	0.0005																	
Mean	0.001	0.005	99.5																
Max Cal	0.016	0.025																	

Quality in 1008 as per
Ses 26-615
Repack

9/1/2014

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-0

ISO 9001 : 200
Certified Company

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. 0643 Invoice No. Truck No. UA07P/1370	Date 22-08-2014
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GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY COND.N.	QNTY. M.T.	NO. OF PCS.
SAE1008	56 MM	S-99	L/HT	YELLOW	AS ROLLED	6.455 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	0.38	0.022	0.024	0.10					0.032					

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)		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	0.5				

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

HARDENABILITY (HRC) AS PER IS : 3848

Distance									
Regd.									
Actual									

Remarks :

Qualify in 1008 as per
SAS 26-615
Dufault