

9821

Sample Result Name	9821 (DIA-68) HNO-B-66	Type	Unknown	Measure Date Time	Thursday, August 14, 2014	Recalculation Date Time	12:19:09 PM	Origin	Measured
Method Name	Fe-30-MO	Method Version		Operator Name	SARA SAE	Check Type	None	Check Status	
Grade Verification Name		Grade Verification Similarity	0	Correction Type	None	Type	None	Grade Search Name	
Grade Search Similarity	0	Type	None	Status	Not Used	Outlier Removal			
Sample Name	9821 (DIA-68) HNO-B-66	Grade							

	C	Si	Mn	P	S	Cr	Mo	Ni	Al	Co	Cu	Nb	Ti	V	W	Pb	Sn	As	Zr
5	0.081	0.085	0.47	0.034	0.034	0.064	<0.003	0.039	<0.003	<0.005	0.044	<0.005	<0.0010	0.002	<0.040	<0.010	0.018	<0.005	<0.003
6	0.077	0.090	0.46	0.038	0.032	0.062	0.004	0.045	<0.003	<0.005	0.044	<0.005	<0.0010	<0.002	<0.040	<0.010	0.017	0.006	<0.003
7	0.095	0.083	0.49	0.035	0.041	0.067	<0.003	0.034	<0.003	<0.005	0.045	<0.005	<0.0010	0.004	<0.040	<0.010	0.026	0.005	<0.003
Rep	0.084	0.086	0.47	0.036	0.036	0.064	0.003	0.039	<0.003	<0.005	0.045	<0.005	<0.0010	0.003	<0.040	<0.010	0.020	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	0.084	0.086	0.47	0.036	0.036	0.064	<0.003	0.039	<0.004	<0.003	0.045	<0.008	<0.002	0.002	<0.044	<0.005	0.020	0.005	<0.000
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	Conc	B	Fe																
5	0.003	0.001	99.1																
6	0.001	0.002	99.1																
7	0.001	0.002	99.0																
Rep	0.002	0.002	99.0																
Min Cal	0.0005	0.0005																	
Mean	0.002	0.002	99.2																
Max Cal	0.016	0.025																	

Quality in 1008 as per

S&S 26-615

Durpale

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

18396 F-QCD-03

ISO 9001 : 2008
Certified Company

TEST CERTIFICATE

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

T.C. No. 0492

Date 09-08-2014

Invoice No.

Truck No. PB23K/8410

GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY COND.	QNTY. M.T.	NO. OF PCS.
SAE1008	68 MM	B-66	L/HT	ORANG	AS ROLLED	7.410 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	0.41	0.020	0.028	0.07					0.022					

METALLURGICAL RESULTS

INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A									Aust. Grain Size ASTM No. (E-112)	5/6	Gas content (ppm)	
	A		B		C		D				Decarb. (MM)	O ₂
	T	H	T	H	T	H	T	H				
STD									Micro-Structure	P+F	N ₂	
MAX												
ACTUAL	1.0		1.0		1.0		1.0	0.5			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						143			

HARDENABILITY (HRC) AS PER IS : 3848

Distance										
Regd.										
Actual										

Remarks :

Qualify in 1008 as per SAE 26-615
Dapah