RAW MATERIAL INCOMING INSPECTION REPORTS

1269	SECTION :- 70mm	HAET NO :- 54465	INVOICE NO.- 1646
8/1/25	STEEL SUPPLIER :- SLR	REC.QTY :- 23030 kg	INVOICE DATE.- 5/3/25
35mms	STEEL TC NO :- 85030197	NO. OF BARS :- 128	

Process /Mfg Route: MBF - EOF - LRF - VD - CCM - EMS - AMLC - RMS

	%C	%Mn	%SI	%S	%P	%Cr	%Ni	%Mo	%Al	%Cu	%As	%Sb	%V	%Pb	%Ca	%Nb	%Ti	%B
	0.330	0.800	0.150	0.015		1.00			0.020		—	—	—	—	—	—	—	—
	0.400	1.100	0.400	0.030	0.020	1.300	0.300	0.100	0.050	0.300	—	—	—	—	0.0010	—	—	—
	0.381	1.060	0.255	0.0030	0.011	1.27	0.018	0.009	0.025	0.020	0.0010	0.0001	0.007	—	0.0010	—	—	0.0002
	0.397	1.054	0.250	0.020	0.013	1.243	0.0236	0.004	0.028	0.011	—	—	0.0010	0.0006	0.0002	0.039	0.0008	—
												0.004				0.0050	0.006	0.0000

Bar Size (As per WI...)   Qty :10 % Of Total Heat

Diameter/Section Size(in mm)

S.NO.	1	2	3	4	5	6	7	8	9	10	11	12
	70.3	70.1	70.4	70.2	70.5	70.1	70.2	70.4	70.5	70.1	70.0	70.9

Gas Content (PPM): As per Mill Tc

	N2	H2	O2
Min	60		
Max	120	8.5	20
Value Mill Tc	79.3	1.35	14.1

Steel Supply Condition: Hot Rolled

MACRO

(i) Internal soundness Sample : (ASTM E381 or as per customer)   S2   R2   C2 MAX
Value Obs.

(ii) Dendrite structure 01 sample :   >S2 >R2 >C2

(iii) Step Down Test Sample :(IS4075 or as per customer)   OK

Micro structure As Rolled :

Micro strcuture : [or as per customer]	
Mill Tc	F+P
SSB	F+P

ULTRASONIC TEST (AS PER ASTM A388) :   Mill Tc   100 % Done ok

INCLUSION RATING (IS 14163 /ASTM: E45A OR REQUITRED BY CUSTOMER)

	A Sulphide		B Aluminate		C Silicate		D Oxide		DS	
	TN	TK	TN	TK	TN	TK	TN	TK	TN	TK
Cust Spec.If Any	2.0	1.5	2.0	1.0	0.5	0.5	1.0	1.0		
Mill Tc	1.0	0.5	0.5	0	0	0	1.0	0.0		
SSB	1.0	0.5	0.5	0	0	0	1.0	0.0		

GRAIN SIZE : (ASTME112 / IS-4748)   Spec.:- 5-8   Mill Tc 7.5   SSB 5.5

JOMINY HARDENBILTY IS-3848 /ASTMA255 (As per required by Customer)

Distance	1.5	3	5	7	9	11	13	15	20	25	30
Spcificied	52.5-58	52-58	51-57	50-56	49.5-55	46.5-54	44-54	42.5-52	39.5-50	37.5-48	36-46
Mill Tc	57	56.1	55.2	54.1	53.3	52.3	50.9	50.1	46.1	44.5	42.3
Observed	56	55	55	57	52	53	50	49	46	43	40

MECHANICAL PROPERTIES : (If Required in TDC /Customer)

	U.T.S N/mm2 /MPA (As per IS:1608/ ASTM A 370)	Y.S N/mm2 /MPA	%EL	IMPACT VALUE CHARRY (As per IS: 1757)	IMPACT VALUE IZOD
Specified	880-1080	685 Min	12 Min	—	
Observed	1006.527	970.438	25.127	3c.T	

As Rolled Hardness (BHN (Max / Min) (If Required in TDC /Customer)

1	2	3	4	5
195	198	192	200	205

VISUAL :

(i) Surface Condition   100 % Bars Checked   OK
(ii) Heat No.   100 % Bars Checked   OK
(ii) Color Code.   100 % Bars Checked   OK

REDUCTION RATIO :   Specifiy 7:1 Min   BLOOM SIZE- 200×200   REDUCTION RATIO : 10.39 : 1
(If Required in TDC /Customer) As Per Mill TC

DECARB LEVEL : (AS PER IS 6396 / ASTM E1077)   Specified   0.60 mm Max
(If Required in TDC /Customer)   Observed   PD   0.16   FD

UPSETIBILITY TEST (AS PER IS 10167) :   OK

Certificate verified for Each Heat no :

	Available & Ok	Not Available	Not Conforming

Customer STD (Required in TDC /Customer)

SSB/TDC/	Mill Tc No.	Mill Tc Date	Verified By
df 1001 R3	85030197	5/3/25	

UP TEST (Required in TDC /Customer)   Verified By Mobile Spectro /X-Ray Gun/Spark Test

Accepted	✓	Rejected

Other Remarks

Checked By

Approved By