

RAW MATERIAL INCOMING INSPECTION REPORTS

D.C. No. :- F/05/01
Issue no. :- 01, 01.07.2018
Rev. no. :- 02, 11.05.23

1781	SECTION :-	130mm	HAET NO. :-	KAY-2024	INVOICE NO. :-	01719											
3112125	STEEL SUPPLIER :-	Kigco	REC.QTY. :-	10465 kg	INVOICE DATE :-	21/3/25											
569001	STEEL TC NO. :-	1479	NO. OF BARS :-	24													
Process/Mfg Route: EF + (RF + VD) Fully Killed Bottom Poured Ingot																	
%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Mo	%Al	%Cu	%As	%Sb	%V	%Pb	%Ca	%Nb	%Ti	%B
0.20	1.70	0.30	0.010	0.025	0.5	2.00	0.70	—	0.50	—	—	0.12	—	—	—	0.05	0.005
0.187	1.3	0.282	0.003	0.010	1.1	1.912	0.335	0.021	0.106	—	—	0.080	—	—	0.005	0.003	0.0002

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
	130.4	130.2	130.2	132.7	130.3	130.9	130.3	130.6	130.5	131.1	130.4	130.4

Gas Content (PPM): As per Mill Tc

	N2	H2	O2
Min	—	—	—
Max	—	—	—
Value	—	—	—
Mill Tc	—	—	—

Steel Supply Condition:

Hot Rolled

MACRO

(i) Internal soundness Sample : (ASTM E381 or as per customer)

Value Obs.

S R C
S2 R2 C2

(ii) Dendrite structure 01 sample :

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

Micro structure As Rolled :

Micro structure : (or as per customer)

Mill Tc

SSB

ULTRASONIC TEST (AS PER ASTM A388) :

Mill Tc

4mm FBH on DCS scale

INCLUSION RATING (IS 14163 /ASTM: E45A OR REQUIRED 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	—	—	—	—	—	—	—	—	—	—
Mill Tc	—	—	—	—	—	—	1.0	1.0	—	—
SSB	—	—	—	—	—	—	1.0	1.0	—	—

GRAIN SIZE :

(ASTM E112 / IS-4748)

Spec. :-

Mill Tc

6.5-7.0

SSB

6

JOMINY HARDENBILITY

IS-3848 /ASTMA255

(As per required by Customer)

Distance

Specified

Mill Tc

Observed

MECHANICAL PROPERTIES : (If Required in TDC /Customer)

As per IS:1608/ ASTM A 370

As per IS: 1757

	U.T.S N/mm2 /MPA	Y.S N/mm2 /MPA	%EL	IMPACT VALUE CHARRY	IMPACT VALUE IZOD
	Specified	Observed	Specified	Observed	Observed
	710-900	630 min	14 min	30 J min	
	821-52	779.8	24.5	40 J	

As Rolled Hardness

(BHN (Max / Min)

(If Required in TDC /Customer)

1	2	3	4	5
279	280	281	289	285

VISUAL :

(i) Surface Condition

100 % Bars Checked

OK

(ii) Heat No.

100 % Bars Checked

OK

(iii) Color Code.

100 % Bars Checked

OK

REDUCTION RATIO :

Specify

BLOOM SIZE -

REDUCTION RATIO :

(If Required in TDC /Customer) As Per Mill Tc

DECARB LEVEL : (AS PER IS 6396 / ASTM E1077)

Specified

(If Required in TDC /Customer)

Observed

PD

FD

UPSETIBILITY TEST (AS PER IS 10167) :

Test Certificate verified for Each Heat no :

Available & Ok

Not Available

Not Conforming

TDC / Customer STD

(If Required in TDC /Customer)

SSB/TDC/

Mill Tc No

1479

Mill Tc Date

25/3/25

Verified By :

[Signature]

MIX-UP TEST

(If Required in TDC /Customer)

Verified By Mobile Spectro /X-Ray Gun/Spark Test

Accepted

Rejected

Other Remarks

Checked By

[Signature]

Approved By