



RAW MATERIAL INCOMING INSPECTION REPORTS

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1780	SECTION :-	130mm	HAET NO. :-	K24-2017	INVOICE NO. :-	01719										
21/3/25	STEEL SUPPLIER :-	K18CO	RECQTY :-	10570kg	INVOICE DATE :-	21/3/25										
5690dL	STEEL TC NO. :-	1478	NO. OF BARS :-	21												
Process / Mfg Route	FF+1RE+VD / Fully Killed Bottom Poured Ingot															
%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Mo	%Al	%Cu	%As	%Sb	%V	%Nb	%Ti	%B	
0.20	1.70	0.80	0.010	0.005	1.5	2	0.70	—	0.50	—	—	0.12	—	—	0.05	0.005
0.190	1.884	0.705	0.003	0.014	1.660	1.935	0.332	0.023	0.120	—	—	0.074	—	—	0.002	0.0004

Bar Size (As per WI...)	Qty : 10 % Of Total Heat											
S.NO.	1	2	3	4	5	6	7	8	9	10	11	12
	130.2	130.5	130.7	130.4	130.6	130.8	130.5	130.5	130.3	130.2	130.2	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)	S	R	C
	(ii)	Dendrite structure 01 sample :	5	2	2
	(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 JMS Scale

INCLUSION RATING (IS 14163 / ASTM: E45A OR REQUIRED BY CUSTOMER)	A		B		C		D		DS	
	Sulphide		Aluminate		Silicate		Oxide			
	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 : Spec. :- Mill Tc 6.5-7.0 SSB 6

JOMINY HARDENBILITY IS-3848 / ASTM A255 (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	YS	N/mm2	%EL	IMPACT VALUE CHERRY	IMPACT VALUE IZOD
	N/mm2 / MPA	/MPA				
	Specified	710-900	630 min	14 min	30 J	30 J
Observed	830.57	750.96	21.6	34 J	—	—
As Rolled Hardness (BHN (Max / Min) (If Required in TDC / Customer)	1	2	3	4	5	
	—	—	—	—	—	

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	—
	Observed	PD

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/ KCL/22-23/1005 R3	Mill Tc No. 1478	Mill Tc Date 25/3/25	Verified By: [Signature]
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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 [Signature]