

## RAW MATERIAL INCOMING INSPECTION REPORTS

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

Report NO.	1752	SECTION :-	126mm	HAET NO. :-	K84-1454	INVOICE NO. :-	SA-844-01377											
DATE :-	25/11/25	STEEL SUPPLIER :-	KISCO	REC.QTY :-	1120 kg	INVOICE DATE :-	23/11/25											
GRADE :-	S250CD1	STEEL TC NO. :-	RND/1186	NO. OF BARS :-	02													
(01)	Process / Mfg Route																	
Chemistry	%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Mo	%Al	%Cu	%As	%Sb	%V	%Pb	%Ca	%Nb	%Ti	%B
Min																		
Max	0.20	1.70	0.80	0.01	0.025	1.5	2.00	0.30	—	0.50	—	—	0.12	—	—	0.06	0.05	0.005
Mill Tc Value																		
Spectro Value	0.193	1.285	0.274	0.005	0.014	1.090	1.836	0.338	0.083	0.096	—	—	0.082	—	—	0.010	0.005	0.0003
(02)	Bar Size (As per WI...) Qty : 10 % Of Total Heat																	
No of Bar Checked	Diameter/Section Size (in mm)																	
	S.NO.	1	2	3	4	5	6	7	8	9	10	11	12					
		126.3	126.1	126.5	126.2	126.2	126.3	126.7	126.7	126.4	126.1							
(03)	Gas Content (PPM): As per Mill Tc																	
	N2 H2 O2																	
	Min — — —																	
	Max — — —																	
	Value — — —																	
	Mill Tc — — —																	
(04)	Steel Supply Condition: Rolled + Peeled																	
(05)	MACRO (i) Internal soundness Sample : (ASTM E381 or as per customer) S R C																	
	(ii) Dendrite structure 01 sample : Value Obs. 752 782 782																	
	(iii) Step Down Test Sample : (IS4075 or as per customer) OK																	
(06)	Micro structure As Rolled : Micro structure : { or as per customer }																	
	Mill Tc —																	
	SSB —																	
(07)	ULTRASONIC TEST (AS PER ASTM A388) : Mill Tc 4mm FBH on DMS Scale																	
(08)	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 0.5 — — — — — — — — — —																	
	Mill Tc — — — — — — — — — —																	
	SSB 0.5 — — — — — — — — — —																	
(09)	GRAIN SIZE : Spec.:- Mill Tc 7.0 SSB —																	
(10)	JOMINY HARDENBILITY IS-3848 /ASTMA255 (As per required by Customer)																	
	Distance Specified Mill Tc Observed																	
(11)	MECHANICAL PROPERTIES : (If Required in TDC /Customer )																	
	As per IS:1608/ ASTM A 370																	
	U.T.S N/mm2 /MPA Y.S N/mm2 /MPA %EL IMPACT VALUE CHERRY IMPACT VALUE IZOD																	
	Specified 710-900 630 min 14 min 307 min																	
	Observed 884.52 742.49 22.8 108J																	
	As Rolled Hardness (BHN (Max / Min) (If Required in TDC /Customer )																	
	1 2 3 4 5																	
	— — — — —																	
(12)	VISUAL : (i) Surface Condition 100 % Bars Checked OK																	
	(ii) Heat No. 100 % Bars Checked OK																	
	(iii) Color Code. 100 % Bars Checked OK																	
(13)	REDUCTION RATIO : Specify BLOOM SIZE - REDUCTION RATIO : —																	
	(If Required in TDC /Customer ) As Per Mill TC																	
(14)	DECARB LEVEL : (AS PER IS 6396 / ASTM E1077 ) Specified —																	
	(If Required in TDC /Customer ) Observed PD — FD —																	
(15)	UPSETIBILITY TEST ( AS PER IS 10167 ) : OK																	
(16)	Test Certificate verified for Each Heat no : Available & OK Not Available Not Conforming																	
	OK																	
(17)	TDC / Customer STD SSB/TDC/ Mill Tc No. RND/1186 Mill Tc Date 9/11/25 Verified By : [Signature]																	
	(If Required in TDC /Customer ) KCIL/22-23/1005/R3 DT-28.08.23																	
(18)	MIX-UP TEST Verified By Mobile Spectro /X-Ray Gun/Spark Test																	
	(If Required in TDC /Customer ) Accepted Rejected																	
	Other Remarks																	
	Checked By [Signature] Approved By [Signature]																	