




## TEST CERTIFICATE

TEST CERTIFICATE NO. : 905509570	DESPATCH DATE: 15.03.2024	TEST CERTIFICATE TO:
DO NO. : 9517624341	CUSTOMER CODE: 128317	SKM STEELS LTD (CRCA DIVISION) C/O SKM METAL PROCESSORS PVT. LTD
INVOICE NO. : 7250016179	VEHICLE NO.: MH48AY7650(R)	J/93 M.I.D.C, TALOJA, DIST-RAIGAD NEXT TO FIRE BRIGADE STATION
MATERIAL No. : 1804854	PRODUCT: CRCA COIL	TALOJA 410208

We hereby certify that the above mentioned material is tested in accordance with scheme of testing and inspection contained in BIS certification marks License no. CM/L 7700119009 are as indicated against each section (Please refer to IS 513 (PART 1):2016 for details of specification requirements) . Legal sanction can be imposed on forging. Improper use of product can cause safety issues. To validate test certificate, Scan QR Code.

TDC No: AU03    Q Code:TATXXD    Desg.CR2 SP D							Chemical Analysis, Specifications and Other Information																								
Grade: Steelium D grade							C	Mn	Si	S	P	Al	N	Al	N																
Section(TxW): 1.200x1250.000mm							%	%	%	%	%	%	PPM	%	PPM																
Specification Requirements as per TDC No AU03						Min	0.0350	0.150				0.0200		0.0200																	
						Max	0.0700	0.400	0.0400	0.020	0.0350		70		70.000																
tm	Batch No.	Mother Coil	Cast No.	Tonnage	Length	Pcs	Test Results																								
01	K422176100		P3D6668	12.375		1	0.0400	0.150	0.0220	0.007	0.0150	0.0450	45	0.0450	45.000																
TDC No: AU03							Mechanical Analysis, Specifications and Other Information																								
Section (TxW): 1.200x1250.000mm							YS	UTS	EL	HRB	RA	HRB	RA	YS	BEND	ER	UTS	EL	BEND	ER											
							MPa	MPa	%					MPa		MM	MPa	%		MM											
Specifcation Requirements as per TDC No. AU03						Min	140	270	35		0.8000		0.80	140		10.2	270	35		10.2000											
						Max	220	370		50.0000	1.6000	50	1.60	220			370														
tm	Batch No.	Mother Coil	Cast No.	Tonnage	Length	Pcs	Test Results																								
01	K422176100		P3D6668	12.375		1	197	302	43	44.0000	1.0100	44	1.01	197	OK	10.7	302	43	OK	10.7000											

Accepted  


Route-		Micro alloying elements (MA) : Nb+V+Ti Material clearance date K422176100-12.03.2024	Signature Not Verified Digitally signed by SIDHESHWAR KUMAR Date: 2024.03.15 03:17:18 IST Location: Jamshedpur  Head Quality Assurance TATA STEEL LIMITED.
1 MPa = 1 N/mm2 YS = Yield Strength UTS = Ultimate Tensile Strength  El= % elongation on standard gauge length TxWxL = Thickness x Width X Length CE (Carbon Equivalent) = (C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15)	Steel is fully Aluminium killed Material is ROHS Compliant Tensile Sample testing transverse to rolling direction		