



TATA STEEL

IS513(PART1)

(SM/L 7700119009

At - Isamba Phata | Khopoli - 410203 | Tal - Khalapur | Dist - Ralgad (Maharashtra), India

TEST CERTIFICATE

TEST CERTIFICATE NO.: 904236798

DESPATCH DATE: 30.08.2023

DO NO.: 9517156257

CUSTOMER CODE: 117509

INVOICE NO.: 7250012681

MATERIAL No.: 1802550

VEHICLE NO.: MH48AY6897(R)

PRODUCT: CRCA COL

TEST CERTIFICATE TO:

NARESH STEEL INDUSTRIES PVT. LTD C/O POONYA STEEL PROCESSORS PVT LTD

A-7/2,MIDC,OPP TRANSPOWER,TALOJA

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 IS513 (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							Mn	Si	S	Р	Al	N													T
Section(TxW): 2.300x1250.000mm							%	%	%	%	%	PPM										十一			1
Specification Requirements as per TDC No. AU03 Min.						0.0350	0.150				0.0200		٠.								_	_	1	1	\vdash
Max						0.0700	0.400	0.0400	0.020	0.0350	Res.	70							1				 	\vdash	
ttm Batch No Mother Coil Cast No. Tonnage Length Pcs						Test Re	est Results																		
RCC09863		2320331 4	11.225			0.0460	0.170	0.0270	0.007	0.0100	0.0440	54							T						
BRCC09864		2320331 4	10.070			0.0460	0.170	0.0270	0.007	0.0100	0.0440	54													
TDC No: AU03							Mechanical Analysis, Specifications and Other Information																		
							UT	s	EL	HRE	3	RA	BEND		ER										
Section (TxW): 2 300x1250.000mm							MP	a	%			,		1	MM										
Specification Requirements as per TDC No. AU03 Min							27	0	35			0.80	-		8.2									\top	
Max							37	0		- 50		1.60	150					$\neg \neg$					\top		
Itm Batch No Mother Coil Cast No. Tonnage Length Pcs							Test Results																		
RCC09863						215		0	38	42	Carried Carried	0.82	ОК		8.2							-			
									,									$\neg \neg$			\neg		_	$\overline{}$	
3	e: Steelium on(TxW): 2 ification Re ontch No RCC09863 RCC09864 No: AU03 on (TxW): iification Re	e: Steelium D grade on(TxW): 2 300x1250 00 ification Requirements as itch No Mother Coil RCC09864 No: AU03 on (TxW): 2 300x1250.iification Requirements as itch No Mother Coil	e: Steelium D grade on(TxW): 2.300x1250.00emm ification Requirements as per TDC ttch No	e: Steelium D grade on(TxW): 2.300x1250.00mm ification Requirements as per TDC No. AU03 atch No. Mother Coil Cast No. Tonnage RCC09863 2320331 11.225 4 RCC09864 2320331 10.070 4 No: AU03 on (TxW): 2.300x1250.000mm ification Requirements as per TDC No. AU03 atch No. Mother Coil Cast No. Tonnage	e: Steelium D grade on(TxW): 2.300x1250.00emm ification Requirements as per TDC No. AU03 atch No. Mother Coil Cast No. Tonnage Length RCC09863 2320331 11.225 4 RCC09864 2320331 10.070 4 No: AU03 on (TxW): 2.300x1250.000mm ification Requirements as per TDC No. AU03	e: Steelium D grade on(TxW): 2.300x1250.00emm ification Requirements as per TDC No. AU03 Min Max atch No. Mother Coil Cast No. Tonnage Length Pcs RCC09863 2320331 11.225 4 RCC09864 2320331 10.070 4 No: AU03 on (TxW): 2.300x1250.000mm iification Requirements as per TDC No. AU03 Min Max atch No. Mother Coil Cast No. Tonnage Length Pcs	e: Steelium D grade on(TxW): 2.300x1250.00emm fication Requirements as per TDC No AU03 Min 0.0350 Max 0.0700 Max 0.0700 Max 11.225 0.0460 RCC09864 2320331 10.070 4 No: AU03 No: AU03 On (TxW): 2.300x1250.000mm MPa iifcation Requirements as per TDC No. AU03 Min Max 140 Max 220 Max 140 Max	e: Steelium D grade	Steelium D grade	Steelium D grade	C Mn Si S P	C Mn Si S P Al	C Mn Si S P Al N	Steelium D grade	C Mn Si S P Al N N N N N N N N N	C Mn Si S P Al N N N N N N N N N	C Mn Si S P Al N	C Mn Si S P Ai N	C Mn Si S P Al N						

Route-

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

Steel is fully Aluminium killed

Tensile Sample testing transverse to rolling direction

K3RCC09860-28.08.2023

ACCEPTED

Signature Not Verified
Digitally signed by SWAPNIL
DATTATRAYA DHADGE
Date: 2023.08 30 04:10:07 IST
Location: Jamstedpur

Head Quality Assurance TATA STEEL LIMITED.