



TEST CERTIFICATE

TEST CERTIFICATE NO.: 9050308643 DESPATCH DATE: 10.01.2024

DO NO.: 9517460472

CUSTOMER CODE: 854778

INVOICE NO.: 3148023835

VEHICLE NO.: MH14GDS5852(L)

MATERIAL NO.: 3175276

PRODUCT: CRCA SHEET

TEST CERTIFICATE TO:
MAHINDRA AUTO STEEL PVT LTD, PLOT NO C23/1
MIDC CHAKAN, PH-II VILLAGE
PUNE 410501

2535670, 73, 74

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. CML-7198486 are as indicated against each section (Please refer to IS 513 CR4/COLD REDUCED CARBON STEEL SHEET AND STRIP: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: YA09

Chemical Analysis, Specifications and Other Information

Grade: MM22 EDD	C	Mn	Si	S	P	N														
Section(TXWXL): 1.000x825.000x1335.00mm	%	%	%	%	%	PPM														

Specification Requirements as per TDC No YA09

Min 0.0500 0.200 0.030 0.012 0.020 50

Max

Item Batch No.

Mother Coil

Cast No.

Tonnage

Pcs.

Test Results

04	ST09124T11	W03310900/	A270616	2.150	250	0.0380	0.158	0.005	0.010	0.013	30									
05	ST09124T12	W03310900/	A270616	2.150	250	0.0380	0.158	0.005	0.010	0.013	30									
06	ST09124T13	W03310900/	A270616	2.150	250	0.0380	0.158	0.005	0.010	0.013	30									

TDC No: YA09

Mechanical Analysis, Specifications and Other Information

Section (TXWXL): 1.000x825.000x1335.00mm	HRB	YS	UTS	EL	r BAR	RA	ER	n												
Specification Requirements as per TDC No. YA09	MPa	MPa	%			µM	MM													
Min						0.80		0.19												
Max	40	180	300			1.20		0.30												

Item	Batch No.	Mother Coil	Cast No.	Tonnage	Test Results															
------	-----------	-------------	----------	---------	--------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

04	ST09124T11	W03310900/	A270616	2.150	250	37	178	287	46	1.62	0.80	11.5	0.21							
05	ST09124T12	W03310900/	A270616	2.150	250	37	178	287	46	1.62	0.80	11.5	0.21							
06	ST09124T13	W03310900/	A270616	2.150	250	37	178	287	46	1.62	0.80	11.5	0.21							

Route-BOF>CASOB>CC>HSM

*For further details please visit www.bis.gov.in1 MPa = 1 N/mm2
YS = Yield Strength
UTS = Ultimate Tensile StrengthEl= % elongation on standard gauge length
TXWXL = Thickness x Width X Length

CE (Carbon Equivalent) = (C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15)

31.12.2023

This TC is electronically generated

Document certified by VINOD VISHWANATH
RAJUT v.vinod@tatasteel.com
Digitally signed by VINOD
VISHWANATH, DN
Date: 2024.01.01 01:32:55 IST
Location: Tarapur, MumbaiHead Quality Assurance
TATA STEEL LIMITED