

TEST CERTIFICATE

TEST CERTIFICATE NO.: 901053941 DESPATCH DATE: 31.12.2021 TEST CERTIFICATE TO:

DO NO.: 9515857973 CUSTOMER CODE: 147959 POSH METAL INDUSTRIES PRIVATE LIM I Gat No.50, Off.Chakan, Shikrapur Rd

INVOICE NO.: 2485267891 VEHICLE NO.: MH46BM1263(T) Village Pimple Jajtap, Taluka-Shirur

MATERIAL NO.: 1104234 PRODUCT: HR COILS (P&O) Pune 412208

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-0102816 are as indicated against each section (Please refer to IS 1079 HR3(HOT ROLLED CARBON STEEL SHEET, PLATE AND STRIP-2017) for details of specification requirements)

TDC No: YH03 Q Code:111495				Chemical Analysis, Specifications and Other Information													
Grade: TDC-HR-PICKLED/OILED IS-1079 GRADE EDD				C	Mn	Si	S	P	N								
Section(TXWL): 3.000x1250.000x0.00mm				%	%	%	%	%	PFM								
Specification Requirements as per TDC No YH03				Min	0.001												
				Max	0.8000	0.400	0.150	0.030	0.035	90							
TDC No: YH03				Mechanical Analysis, Specifications and Other Information													
Item	Batch No.	Mother Coil	Cast No.	Tonnage	Pcs.	Test Results											
01	W09244300/	W09244300/	V64632	22.260	1	0.6680	0.325	0.009	0.008	0.014	30						
Section (TXWL): 3.000x1250.000x0.00mm				UTS		EL		YS		BEND							
Specification Requirements as per TDC No: YH03				MPa	%	MPa											
				Min	240	28	170										
				Max	400												
Item	Batch No.	Mother Coil	Cast No.	Tonnage	Test Results												
01	W09244300/	W09244300/	V64632	22.260	1	378	34	314	OK								

Route-BOF->LF->CC->HSM->PICKLING

1 MPa = 1 N/mm²
 YS = Yield Strength
 UTS = Ultimate Tensile Strength
 El = % elongation on standard gauge length
 TXWL = Thickness x Width X Length
 CE (Carbon Equivalent) = (C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15)

*For further details please visit www.bis.gov.in

Material is ROHS Compliant
 Tensile Sample testing transverse to rolling direction

Material clearance date: 31.12.2021
 This TC is electronically generated

Document certified by ASHWIN SURESH
 PANDIT ashwin.pandit@tatasteel.com
 Digitally signed by ASHWIN SURESH
 Date: 2022.12.08:16:45 IST
 Location: Tarapur, Mumbai

Head Quality Assurance
 TATA STEEL LIMITED