



Vijayanagar Works, PO: Vidyanagar, Village : Tornagallu, Dist: Bellary, Karnataka-583275, INDIA
Regd. Office: JSW Centre, Bandra Kurla Complex, Bandra (East), Mumbai-400051.

MILL TEST CERTIFICATE (According to EN 10204 - 3.1)

TO,
SALZGITTER MANNESMANN INTER GM
DUSSELDORF, 40476
DE

TC No 2017-18 / 0400648966 _ 11 / 7190003441
Date 30.06.2017

Product: Hot Rolled Pickled and/or Oiled

Cast/Heat No.	Coil No.	T	X	W	X	L	MIN		MAX		C %	Mn %	S %	P %	Si %	Al %	B %	N %	YS MPa	UTS MPa	EL %	GL mm	Bend Test	Remarks
							Net Wt.	Gross Wt.	YS MPa	UTS MPa														
		3,000	X	1500.0	X	Coil	26.405	26.505	0.074	0.590	0.005	0.012	0.008	0.048	0.0001	0.0041	384	470	30.00	5.65 SA	Pass			
		3,000	X	1500.0	X	Coil	23.055	23.170	0.077	0.600	0.005	0.012	0.010	0.046	0.0001	0.0045	416	501	34.00	5.65 SA	Pass			
		3,000	X	1500.0	X	Coil	25.225	25.315	0.074	0.590	0.005	0.012	0.008	0.048	0.0001	0.0041	384	470	30.00	5.65 SA	Pass			
		3,000	X	1500.0	X	Coil	24.330	24.415	0.079	0.610	0.005	0.015	0.008	0.042	0.0001	0.0039	410	489	36.00	5.65 SA	Pass			
		3,000	X	1500.0	X	Coil	25.540	25.630	0.074	0.590	0.005	0.012	0.008	0.048	0.0001	0.0041	402	486	32.90	5.65 SA	Pass			
		3,000	X	1500.0	X	Coil	20.025	20.110	0.077	0.600	0.005	0.012	0.010	0.046	0.0001	0.0045	416	501	34.00	5.65 SA	Pass			
		3,000	X	1500.0	X	Coil	20.025	20.100	0.088	0.650	0.005	0.012	0.006	0.040	0.0001	0.0052	412	492	30.00	5.65 SA	Pass			

Total Weight in Metric Tonnes 164.605
Total no of Batches 7



Jsw STEEL LIMITED
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We hereby certify that the material described herein have been tested and inspected with satisfactory results in accordance with the requirements of the above specification.

This is to certify that the above mentioned product produced & supplied by JSW Steel Ltd do not contain any radio active element higher than the natural level

The product or packing material does not contain any hazardous substances as per ROHS

Commercial Invoice : 7190003441
 Sales Contract Number : 3009
 Product: : HOT ROLLED STEEL COILS, PICKLED
 AND OILED
 with Mill Edges
 Process Route : BOF-LHF-CCM-HSM-CFL-APL

Legend: BOF = Basic Oxygen Furnace, LHF = Ladle Heating Furnace,
 CCM = Continuous Casting Machine, HSM = Hot Strip Mill, CFL =
 Continuous Pickling Line, CRM = Cold Rolling Mill, ECL = Electrolytic
 Cleaning Line, BAF = Batch Annealing Furnace, SPM = Skin Pass Mill, RCL =
 Recoiling Cum Inspection Line, APL = Automatic Packaging Line, PLTCM =
 Pickling Cum Tandem Mill,
 CGL = Continuous Galvanizing line CAL = Continuous Annealing Line, CTL =
 Cut to Length, HRS = HR Slitters, HTL = HR Cut to Length

T x W x T = Thickness x Width x Length, Chemistry = Ladle Sample Analysis,
 IMPa = N/mm², YS = Yield Strength, UTS = Ultimate Tensile Strength, EL =
 %gs Elongation on Standard Gauge Length
 GSM = Grams per Square Meter
 Oil Type : Q

Certified By

A. Jindal
CANISH JINDAL