



STEEL LIMITED

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,
DUFERCO S.A.
SWITZERLAND, 690000
CH

TC No 2016-17 / 0400603524 _ 90 / 7020004333

Date 01.04.2017

Product: Cold Rolled Annealed, Skinpassed & Oiled								Chemical Composition & Mechanical Properties											Remarks
Specification : ASTM A_1008 CS_B	MIN	----->	C	Mn	S	P	Si	Al	N	YS	UTS	EL	Ra	GL	Bend Test	Hard			
			%	%	%	%	%	%	%	%	%	MPa	MPa	%	µm	mm	HRB		
			-	-	-	-	-	-	-	140	-	30.00	0.70						
			0.1000	0.600	0.0350	0.030	-	-	1.0000	275	-	-	1.60	-	-	-			
	MAX	----->																	
Cast/Heat No.	Coil No.	T X W X L (mm)	Net Wt.	Gross Wt.	C %	Mn %	S %	P %	Si %	Al %	N %	YS MPa	UTS MPa	EL %	Ra µm	GL mm	Bend Test	Hard HRB	Remarks
A350873	G358272000	0.760 X 914.0 X Coil	8.285	8.365	0.030	0.200	0.009	0.007	0.009	0.050	0.0032	237	349	43.70	0.86	50MM	Pass	48.00	
A350873	G358271000	0.760 X 914.0 X Coil	8.065	8.130	0.030	0.200	0.009	0.007	0.009	0.050	0.0032	237	349	43.70	0.86	50MM	Pass	48.00	
C350863	G351741000	0.760 X 914.0 X Coil	7.965	8.035	0.029	0.200	0.010	0.015	0.009	0.053	0.0040	228	347	44.10	1.06	50MM	Pass	47.00	
C350863	G351742000	0.760 X 914.0 X Coil	8.155	8.225	0.029	0.200	0.010	0.015	0.009	0.053	0.0040	228	347	44.10	1.06	50MM	Pass	47.00	
C350863	G360792000	0.760 X 914.0 X Coil	8.150	8.220	0.029	0.200	0.010	0.015	0.009	0.053	0.0040	236	355	44.10	1.14	50MM	Pass	50.00	
Total Weight in Metric Tonnes			40.620	40.975															
Total no of Batches			5																



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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 : 7020004333
Sales Contract Number : 4626
Product: : PRIME COLD ROLLED STEEL
COILS, SKINPASSED, MATTE
FINISH, OILED
with Trimmed Edge
Process Route : BOF-LHF-CCM-HSM-PLTCM-CAL-
APL

Legend: BOF = Basic Oxygen Furnace, LHF = Ladle Heating Furnace,
CCM = Continuous Casting Machine, HSM = Hot Strip Mill, CPL =
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,
1MPa = 1N/mm², YS = Yield Strength, UTS = Ultimate Tensile Strength, EL =
%ge Elongation on Standard Gauge Length
GSM = Grams per Square Meter
Oil Type : Quaker or FUCHS

Certified By

A Jindal
(ANVISH JINDAL)