



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

MILL TEST/INSPECTION CERTIFICATE (According to EN 10204 - 3.1)

TO,
 SALZGITTER MANNESMANN INTER GM
 DUSSELDORF, 40476
 DE

TC No 2018-19 / 0400910516 _ 10 / 7020005423
 Date 29.11.2018

Product: Hot rolled steel coils							Chemical Composition & Mechanical Properties															Remarks		
Specification: EN 10149_2_2005 S355MC	MIN	----->	C	Mn	S	P	Si	Al	Cr	Ni	Cu	Nb	Mo	V	Ti	B	Ca	N	CE Lng	YS	UTS			
	MAX	----->	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	MPa	MPa		
			0.1200	1.500	0.0200	0.025	0.030	0.0150	-	-	-	0.090	-	-	-	-	-	-	-	-	355	430		
																						550		
Cast/Heat No.	Coil No.	T X W X L (mm)	Net Wt.	Gross Wt.	C	Mn	S	P	Si	Al	Cr	Ni	Cu	Nb	Mo	V	Ti	B	Ca	N	CE Lng	YS	UTS	Remarks
E766937	18664659	16.000 X 1500.0 X Coil	28.510	28.520	0.076	1.020	0.008	0.015	0.007	0.038	0.021	0.007	0.006	0.028	0.001	0.001	0.015	0.0001	0.0001	0.0039	0.251	401	507	
G766948	18664680	16.000 X 1500.0 X Coil	28.240	28.250	0.082	1.060	0.010	0.014	0.015	0.039	0.023	0.007	0.006	0.025	0.001	0.002	0.016	0.0001	0.0001	0.0033	0.265	417	525	
G766945	18664681	16.000 X 1500.0 X Coil	28.465	28.475	0.082	1.000	0.007	0.010	0.012	0.032	0.021	0.007	0.006	0.027	0.001	0.002	0.016	0.0001	0.0001	0.0038	0.254	394	507	
G766948	18664683	16.000 X 1500.0 X Coil	28.615	28.625	0.082	1.060	0.010	0.014	0.015	0.039	0.023	0.007	0.006	0.025	0.001	0.002	0.016	0.0001	0.0001	0.0033	0.265	417	525	
G766945	18664684	16.000 X 1500.0 X Coil	28.825	28.835	0.082	1.000	0.007	0.010	0.012	0.032	0.021	0.007	0.006	0.027	0.001	0.002	0.016	0.0001	0.0001	0.0038	0.254	394	507	
G766945	18665101	16.000 X 1500.0 X Coil	28.655	28.665	0.082	1.000	0.007	0.010	0.012	0.032	0.021	0.007	0.006	0.027	0.001	0.002	0.016	0.0001	0.0001	0.0038	0.254	394	507	
Total Weight in Metric Tonnes			171.310	171.370																				
Total no of Batches			6																					



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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 : 7020005423
Sales Contract Number : 2190
Product: : PRIME HOT ROLLED COILS
with Mill Edge
Process Route :

legend: BOF = Basic Oxygen Furnace, LHF = Ladle Heating Furnace,
CCM = Continuous Casting Machine, RH = RH Degasser
HSM = Hot Strip Mill, HRS = HR Slitters, CTL = Cut to Length
NP = No of Pcs

T x W x L = Thickens x Width x Length,
Chemistry = Ladle Sample Analysis, IMPa = 1N/mm²,
YS = Yield Strength,
UTS = Ultimate Tensile Strength,
EL = %ge Elongation on Standard Gauge Length
CE = [C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15], Direction L = Longitudinal, T =
Transverse

Certified By



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Product: Hot rolled steel coils							Chemical Composition & Mechanical Properties											Remarks			
Cast/Heat No.	Coil No.	T	X	W	X	L	Net Wt.	Gross Wt.	EL %	GL mm	Ten Dir	Bnd Rad	Bnd Res	Bnd Dir	IT 1 Joule	IT 2 Joule	IT 3 Joule		IT Avg Joule	IT Dir	IT Temp °C
Specification: EN 10149_2_2005 S355MC							MIN	----->	23.00	-	-	0.5T	-	-	-	-	-	-	-	-	-
							MAX	----->	-	-	-	-	-	-	-	-	-	-	-	-	-
E766937	18664659	16.000	X	1500.0	X	Coil	28.510	28.520	28.00	5.65 SA	L	0.5T	Pass	T	175	210	150	178	L	-20	
G766948	18664680	16.000	X	1500.0	X	Coil	28.240	28.250	27.00	5.65 SA	L	0.5T	Pass	T	259	239	262	253	L	-20	
G766945	18664681	16.000	X	1500.0	X	Coil	28.465	28.475	27.00	5.65 SA	L	0.5T	Pass	T	269	239	262	256	L	-20	
G766948	18664683	16.000	X	1500.0	X	Coil	28.615	28.625	27.00	5.65 SA	L	0.5T	Pass	T	259	239	262	253	L	-20	
G766945	18664684	16.000	X	1500.0	X	Coil	28.825	28.835	27.00	5.65 SA	L	0.5T	Pass	T	269	239	262	256	L	-20	
G766945	18665101	16.000	X	1500.0	X	Coil	28.655	28.665	27.00	5.65 SA	L	0.5T	Pass	T	269	272	270	270	L	-20	
Total Weight in Metric Tonnes							171.310	171.370													
Total no of Batches							6														



STEEL LIMITED

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