



JSW STEEL LIMITED

Vijayanagar Works, PO- Vidyannagar, Village-Toranagallu, Dist: Bellary, Karnataka-583275, INDIA
Regd. Office: JSW Centre, Bandra Kurla Complex, Bandra (East), Mumbai - 400 051

TEST CERTIFICATE FOR COLD REDUCED LOW CARBON STEEL SHEET & STRIP

IS 513 PART1



CM/L - 3330339

Test Certificate : CRCA/23-24/0000487549

Date : 31.07.2023

SO No./ Item : 401985221 / 210

Product : CRCA

PO No. : July Navkar CR Deal

It is certified that the material described below fully conforms to IS 513 PART1. Chemical composition and Mechanical properties of the product, as tested in accordance with the Scheme of Testing & Inspection contained in the BIS certification marks Licence No. CM/L - 3330339 are as indicated below against each order No. Etc.
(PLEASE REFER TO IS 513 PART1 FOR DETAILS OF SPECIFICATION REQUIREMENTS)

Specification: IS 513_PART1_2016 CR1			TEST RESULTS															
Cast / Heat No.	Coil Number	Nominal Size (MM)	QTY (MT)	C %	Mn %	S %	P %	SI %	Al %	N %	YS (Mpa)	UTS (MPa)	GL (mm)	EL%	Hard (HRB)	Ra µm		
			Min	0.020								50	26.00	0.70				
Mother Coil		T X W X L	Max	0.1500	1.00	0.035	0.060		0.070	0.0120	280	410			70.0	1.60		
Z925709 N356490000	N356490000	0.800 X 1220.0 X Coil	17.175	0.0020	0.64	0.005	0.042	0.006	0.030	0.0020	229	373	50	42.40	56.0	0.86		
Y932228 N546830000	N546832000	0.800 X 1220.0 X Coil	12.760	0.0010	0.64	0.008	0.039	0.005	0.045	0.0022	199	336	50	44.30	48.0	1.11		
Z932236 N548420000	N548420000	0.800 X 1220.0 X Coil	21.625	0.0020	0.49	0.008	0.053	0.007	0.050	0.0020	275	391	50	37.60	59.0	1.06		
Total Weight in Metric Tonnes			51.560	Grand Total of Coils/Pkt/Bundles								3						

Accepted
[Signature]

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 and it confirms to Standard Rolling, Dimensional & Weight tolerances. The product or packing material does not contain any hazardous substances as per RoHS norms.

Delivery ID : 713999387
Invoice No. : 0092111708
Mode of : Normal Trallor
Vehicle No. : MH46BM1036

Legends: Chemistry = Laddle Sample analysis; 1Mpa= 1N/mm2 ; T x W x L = Thickness x Width x Length
YS= Yield Strength ; UTS = Ultimate Tensile Strength, %EL= %age Elongation on standard gauge length

Remarks :



L. G. Naidu
(L. G. Naidu)
Authorised Signatory
For JSW Steel Ltd.