



ISPAAT INDUSTRIES LTD., KALMESHWAR

Quality Assurance Department

Technical Delivery Conditions (TDC)

SS GRADE 50 - GALVANIZED STEEL COILS / SHEETS

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Application

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2
3

Equivalent ref. Grade

Specified Grade

ASTM:A:653

Chemistry,wt%	Range	C	Si	S	P	Mn	Ni	Cr	Cu	Mo	Nb	V	Ti	Al	N ppm
SS GRADE 50	Min.	-	-	-	-	-	-	-	-	-	-	-	-	0.020	-
	Max.	0.060	0.030	0.025	0.025	0.750	-	-	-	-	0.010	0.050	-	0.080	-

Mechanical Properties	Range	YS	UTS	% Elongation		Bend Test	ECV	r-bar	n-val	HRB
		Mpa	Mpa	50 GL	80 GL	180°	mm			
SS GRADE 50	Min.	340	-	-	12	-				-
	Max.	-	-	-	-	-	-	-	-	-

**Surface Finish:** Regular Spangle / Skinpass - Suppressed spangles.**Process Capability:**

SS GRADE 50	Range	Thickness, mm	Width, mm	Length, mm	Zinc Coating, GSM
	Min	0.30	900	As per	80
	Max	3.00	1250	Requirement	275

**Note:**

1
2

**Coil Weight:** 10 MT max.**Coil Internal Diameter:** 508 mm / 20"**Packet Weight:** 2.00 - 3.00 MT**Process Route:**

HR Coil --Pickling--&gt;Rolling Mill --&gt; Galvanizing --&gt; Finishing --&gt; Packing --&gt; Despatch

**Certification:**

The Mill Test Certificate (MTC) gives the results of all the tests required by the standards for each grade (Chemistry, Mechanical).

**Tolerances:** Please refer annexure : GP SPECIFICATION**Prepared by:**  
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Dr.N.C.Jain  
Vice President - QA**Issued by:**