

Product Name	Nickel plated steel(SPCC-SB)	Product number	2013081801
Produce Type	0.15*10 mm	Quantity of Product	36.6Kg
Inspection basis	Q/CAVZ001-2012	Date of inspection	2013/8/18
Test content			
Items		Critical field	Measured value
1.Mechanical behavior	1、Tensile strength (N/mm ²)	≥300	378
	2、Extensibility (%)	≥30	39
	3、Hardness (HV)	80-125	112.1
2.Physical property	1、Thickness of coating (μm)	1.0-1.5	1.2/1.3/1.5
	2、Porosity (spot/cm ²)	≤5	3
	3、Solder ability (%)	≥85	95
	4、Adhesion strength of the coatings	Non scale	Non scale
	5、Coating structure	Pure nickel layer	Pure nickel layer
3.Size of product	1、Thickness (mm)	0.15 -0.01 0.01	0.15 +0.005 -0
	2、Width(mm)	10 +0.05 -0.05	10 +0.03 -0.03
4.Chemical composition	1、C (%)	≤0.08	0.010
	2、S (%)	≤0.03	0.005
	3、P (%)	≤0.02	0.009
	4、Mn (%)	≤0.35	0.14
	5、Si (%)	≤0.03	ND
	6、Ni (%)	1.00~2.00	1.48
	7、Fe (%)	Remain	Remain
5.Appearance	Surface finish, spotless, no-rust.		
6.Test conclusion	acceptability		