

SHINKO WIRE COMPANY, LTD

NAKAHAMA-CHO, AMAGASAKI, 660-0091, JAPAN



TELEPHONES: OSAKA (06) 6411-1914

MILL CERTIFICATE

Date DEC. 20, 2006

No. BT612098-01-A

Commodity: NICKEL PLATED HARD DRAWN STEEL WIRES
 Shipper: _____ Destination: HONG KONG
 Quality: SWRH82 "SWIC-F SWC"
 Diameter: 1.000 mm

1. Chemical Composition(%)

Material	Heat No.	C (×100)	Si (×100)	Mn (×100)	P (×1000)	S (×1000)
SWRH82	6C7443	82	18	50	19	11
SWRH82	6A2160	82	19	46	6	3

2. Material Test

				Diameter	Tensile Strength	Plating Thickness		
				mm	N/mm2	μ m	Heat No.	Coil No.
Case No.		Specification		+0.000				
				-0.010	1960-2210	2-4		
	HART68088	1.00	max.	0.991	2139	4.0	6C7443	7-9
			min.	0.991	2126	4.0		
				+0.000				
				-0.010	1960-2210	2-4		
	HART6Z059	1.00	max.	0.995	2122	4.0	6A2160	1-6
			min.	0.995	2122	4.0		

Shinko Wire Co., Ltd.

This product is RoHS FREE.

Manager of Quality Assurance Section