



# COPPER TIN ALLOY PLATING PRODUCT



## Commodity Name

HN-WS NON-CYANIDE WHITE COPPER TIN PLATING PROCESS



## Bath Composition and Working Conditions

K4P2O7	200 ~ 300 g/L
Cu2P2O7	12 ~ 20 g/L
Sn2P2O7	10 ~ 14 g/L
HN-WSM	15 ~ 25mL/L
Temperature	15 ~ 30°C
pH Value	8.0 ~ 9.0
Cathode Current Density	0.4 ~ 2.0 A/dm <sup>2</sup>
Anode	Electrolytic Copper Anode
Deposition Rate	Each 3 min depositing 1 μm under 1 A/dm <sup>2</sup>
Agitation	Uniform air agitation
Filtration	Continuous 5um recycling filtration
Cell	Steel cell with plastics inside or plastic cell



## Application and Advantage

1. The plating solutions are completely free of cyanide, safe and environment-friendly.
2. The plating solutions are completely free of heavy metals (Pb, Cd, Hg, etc ), PBB, PBDE and other hazardous substance, meeting RoHS requirement.
3. The soldering performance is good.
4. The plating coating is quite bright and is in fine grained crystal structure. The color brightness is as good as that of bright nickel solution.
5. This process is stable, and is easy to operate. Both rack plating and barrel plating are available.
6. It is suitable for the plating of general jewelry, wear-resistance mobile phone components, telecommunication components, connector, etc.



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