



GUANGZHOU MATEYS CHEMICALS LTD.

WCS-100 Cu-Sn Alloy Multilayer Plating Agent

1. Specifications

- (1) Newly-developing technology
- (2) Deposit contains 50%-80% Cu
- (3) Deep plating up to 10 μ m thick
- (4) Be an underlayer before White Cu-Sn plating and gold plating
- (5) Enhance corrosion resistance & wear resistance
- (6) Perfect softening and extension skill
- (7) Perfect bright & a certain level
- (8) Perfect corrosion resistance & color resistance

2. Composition & Conditions

Composition	Na
Potassium hydroxide(KOH)	10-15 g/l
Potassium cyanide(KCN)	60-80 g/l
Copper(I) cyanide(Cu ₂ (CN) ₂)	30-50 g/l
Potassium stannate(K ₂ SnO ₃)	15-25 g/l
WCS-100 Starter	50 ml/l
WCS-101 Brightener	2 ml/l
WCS-102 Complexing agent	50 ml/l
Temperature	50-60 $^{\circ}$ C
pH value	12.5-13

Composition	Range
Cu	20-32 g/L
Sn	4-7 g/L
KCN ion	25-45 g/L
Potassium hydroxide(KOH)	10-20 g/L
pH value	11-13
Temperature	50-65 $^{\circ}$ C
Anode current density	0.7-1.2 A/dm ²



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Anode current density	< 1
Current load	1.4 A/L max.
Agitation	9-12 rad/s
Cathode efficiency	1.10-1.50 g/Ah
Time for 1 μ m	4-6s

Remarks. Pls kindly give us an email for more details.

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