



## GUANGZHOU MATEYS CHEMICALS LTD.

### K Pearl Bright Satin Nickel Plating Agent

#### 1、Specifications

- ( 1 ) Uniform satin effect for decorative use
- ( 2 ) Pearl bright, compact & soft
- ( 3 ) Smooth metallic
- ( 4 ) Perfect wear resistance
- ( 5 ) Re-plated with Chrome or other metal
- ( 6 ) K1-J satinalizer to form compact & soft deposit,  
K1-8 satinalizer to form high satin effect & gloss deposit,  
K1-R to form rougher compact deposit perfect for Chrome plating.
- ( 7 ) In the same tank, different daily production conditions can bring different effects

#### 2、Composition & Conditions

Composition	Range	Standard
Nickelous sulfate( $\text{NiSO}_4 \cdot 6\text{H}_2\text{O}$ )	380-480g/l	430 g/l
Nickel chloride( $\text{NiCl}_2 \cdot 6\text{H}_2\text{O}$ )	35-45 g/l	40 g/l
Orthoboric acid( $\text{H}_3\text{BO}_3$ )	30-40 g/l	35 g/l
K2 Carrier Mat	15-20 ml/l	18 ml/l
K3 Carrier Bright	3-8 ml/l	6 ml/l
K1 Satinizer	0.3-0.8 ml/l	0.5 ml/l
pH value	4.1-4.8 ( Uniform satin effect at low area, perfect at 4.2 )	
Temperature	50-60°C ( Too high temperature will make K4 decompose in advance, while too low temperature will bring rough effects )	
Voltage	Depends on the distance of the anode and the cathode, usually at 5-10V	
Cathode current density	3-8 A/dm <sup>2</sup> (perfect at 4-6 A/dm <sup>2</sup> )	
Anode current density	1-3 A/dm <sup>2</sup>	
The anode	99.7% pure Ni plating	
Time	3-10 min	
Agitation	Cathode move without pumping at 2m/m	
Filtration	Must filtrate after daily use but not in the production	
Plating speed	1μ/min (cathode current density at 5 A/dm <sup>2</sup> )	
Outage break	No over 10 second (perfect at once)	



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Rectification	Voltage output at 9-12V, Ripple factor less than 5.0%
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Remarks. Pls kindly give us an email for more details.

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