

COLOR GOLD BATH

PROD-ID: NC200



NC200 is an alkaline-low cyanide electrolyte for the deposition of bright yellow gold coatings. The gold has a fineness of 24 carats. The achievable layer thickness is Max. 0.1-0.2 micron. By adding special color solutions, the color of the gold deposition can be changed in a controlled manner. There are essentially 3 color solutions available for this purpose:

1. Color solution green
2. Color Solution red
3. Color solution yellow

The gold electrolyte contains low amount of free cyanide and can therefore be deposited with a constant color over a long period of time. The long-term stable NC200 electrolyte is easy to operate and suitable for rack and barrel. It is used for decorative applications.

Gold content: 1 g/100 ml

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Advantages

- Alkaline-low cyanide gold electrolyte
- Suitable for rack and barrel
- For decorative applications
- Easy bath maintenance
- Free of cadmium
- Bright layer

Applications

- Jewelry & Watches
- Household articles
- Spectacle frames
- Writing implements
- Lighting
- Cutlery

Technical Specifications

Electrolyte Characteristics

Electrolyte type: Alkaline

Metal content: 1 g/L Au

PH value: >11

Operating temperature: 65 (60 - 70)°C

Current density range: 1.0 (0.2 - 5) A/dm²

Plating speed: 0.6 µm/min at 1.0 A/dm²

Anode material: Stainless steel

Coating Characteristics

Coating: Gold-Gold Alloy

Color of deposit: 24 Karat, various gold color tones

Brightness: Bright

Hardness of deposit: 105 - 115 HV

Max. Coating thickness: 0.1 - 0.2 µm

Density of the coating: 15.43 - 19.3 g/cm³

