



Aurega[®] pure 1N14 B

Bright pale gold deposits

The goldprocess Aurega[®] pure 1N14 B is a weak acidic electrolyte from which bright layers with constant colour and a hardness of about 200 - 240 Hv₂₀ can be deposited. This type of bath is mainly used in the custom jewellery and optical frame industry.

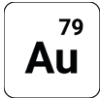


Properties and benefits

- Colour constant
- Weak acidic
- Approx. 23 ct
- Easy bathcontrol
- $L^* = 87, a = +3, b = +23$

Application area

- Jewellery
- Optical frames
- Watches



Metal deposits



Technical Data

Electrolyte properties		
Parameter	Range	Optimum
Specific gravity	10 - 11°Bé/20°C	
pH-Value	3,4 – 3,6	3,5
Gold	0,6 – 1,0 g/l	0,8 g/l
Temperature	31 – 33 °C	32 °C
Agitation	4 - 7 cm/sek	
Current density	Ca. 0,4 – 0,7 A/dm ²	
Anodes	Pt/Ti-Anodes	
Anode/Cathode ratio	Ca. 4:1	
Current efficiency at 1 A/dm ²	Approx. 10 – 12 %	
Rate of deposit at 0,5 A/dm ²	13 – 15 mg/Amin (dependent on the gold content) 0,35 µm in approx. 10 min (dependent on the gold content)	
Maximum thickness	Approx. 0,5 µm	

Deposit characteristics

appearance yellow gold
 Hardness 200 – 240 Hv₂₀

Products available

- 3436800 Aurega® pure 1N14 B Make up 3:5
- 3436810 Aurega® pure 1N14 B Replenisher
- 3436870 Aurega® pure 1N14 B Density correcting salt
- 3436880 Aurega® pure 1N14 B pH-Correcting salt
- 1159400 Potassium gold cyanide 68,2%

FOR ANY FURTHER INFORMATION WE WILL BE PLEASED TO BE AT YOUR DISPOSAL
 PERSONALLY UNDER+ 43 (0)2287 71073 OR OFFICE@IWGPLATING.COM

Aurega pure 1N14B_E



our know-how
is your success