



Aurega[®] pure 1N14 C

Bright pale gold deposits

The goldprocess Aurega[®] pure 1N14 C 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
- Easy bathcontrol
- $L^* = 86, a = +5,5, b = +28$

Application area

- Jewellery
- Optical frames
- Watches



Metal deposits



Technical Data

Electrolyte properties		
Parameter	Range	Optimum
Specific gravity	10 - 11°Bé/20°C	
pH-Value	3,6 – 3,8	3,7
Gold	3,8 – 4,2 g/l	4,0 g/l
Nickel	4,0 g/l	
Indium	0,8 g/l	
Temperature	40 ± 1 °C	
Agitation	Mechanical 4 - 7 cm/sek	
Current density	Approx. 0,8 – 1,0 A/dm ²	
Anodes	Pt/Ti-Anodes	
Anode/Cathode ratio	Ca. 4:1	
Current efficiency at 1 A/dm ²	Approx. 12 %	
Rate of deposit at 0,5 A/dm ²	22 – 24 mg/Amin (dependent on the gold content) 1 µm in approx. 5 min (dependent on the gold content)	
Maximum thickness	Approx. 3 µm	

Deposit characteristics

appearance pale gold
 Hardness 200 – 240 Hv₂₀

Aurega pure 1N14C_E



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Metal deposits



Products available

3436500	Aurega® pure 1N14 C Make up 3:5
3436600	Aurega® pure 1N14 C Replenisher
3437800	Aurega® pure 1N14 C Density correcting salt
3436700	Aurega® pure Nickel solution 25 g/l Ni
.....	Aurega® pure Indium solution 25 g/l In
3431200	Aurega® pure 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

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