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# AURUNA<sup>®</sup> 556 EF-24

## FINE GOLD ELECTROLYTE FOR ELECTROFORMING



### Electrolyte for Fine Gold Hollow Jewellery

AURUNA<sup>®</sup> 556 EF-24 is particularly suitable for electroforming. The electrolyte produces hard, semi-bright, thick gold layers. It is mainly used to produce high quality hollow jewellery with layers between 150 and 200 micrometer. Mandrels may be either made of wax or metal. The excellent hardness up to 200 HV and more than 99.9 percent fineness ensure customer satisfaction, because the hollow jewellery offers outstanding stability in use. It can be polished easily, has good surface quality and convinces with its solder properties.

AURUNA<sup>®</sup> 556 EF-24 is also ideal when thick fine gold layers are deposited on (non-) precious metals. Creative combinations allow completely new designs.



### Advantages

- 24 ct fine gold electrolyte for electroforming
- Suitable for wax and metal mandrels
- Layer thicknesses between 150 and 200 micrometer
- High hardness up to 200 HV at 99.9 percent fineness

### Applications

- Electroforming
- Hollow jewellery
- Noble jewellery

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### TECHNICAL SPECIFICATIONS

Electrolyte characteristics		Coating characteristics	
Electrolyte type	Neutral	Coating	Fine gold
Metal content	12 (12 - 20) g/l Au	Purity	99.9 wt. % Au
pH value	6 (5.8 - 6.2)	Colour of deposit	Yellow
Operating temperature	45 °C	Brightness	Semi-bright
Current density range	0.5 A/dm <sup>2</sup>	Hardness of deposit HV 0.015 (Vickers) approx. values	200 HV
Plating speed	0.23 µm/min	Max. coating thickness	Several 100 µm
Plating rate	85 - 90 mg/Amin	Density of the coating	Approx. 19.0 g/cm <sup>3</sup>
Anode material	Pt-Ti (type PLATINODE <sup>®</sup> Pt-Ti)		

### YOUR CONTACT

Do you have a specific question or would you like a no-obligation quote calculation?  
Our specialist will be happy to help you with any technical questions you might have.



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