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# AURUNA<sup>®</sup> 215 Pale

## GOLD IRON INDIUM ELECTROLYTE



### Proven electrolyte with new color scheme

AURUNA<sup>®</sup> 215 Pale is a colour gold alloy electrolyte for decorative applications, preferably for parts coming into contact with the skin such as jewelry and watches. The essential advantage of the coatings is their freedom from nickel and cobalt, excluding skin allergies caused by these metals.

The process has already been proven for many years. By changing the parameters, we can now also achieve a pale yellow color (1N). The weakly acidic gold electrolyte is easy to operate and suitable for rack and barrel.



### Advantages

- Weakly acidic colour gold electrolyte
- Pale yellow coatings
- Colour-constant across a wide operating range
- Uniform colour
- For decorative applications
- Non-allergenic since free of nickel and cobalt
- The coatings are RoHS compliant
- Suitable for rack and barrel

### Applications

- Jewelry
- Watches
- Spectacle frames
- Writing implements
- Accessories

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### TECHNICAL SPECIFICATIONS

Electrolyte characteristics		Coating characteristics	
Electrolyte type	weakly acidic	Coating	Gold iron indium
Metal content	1.5 (1.3 - 1.7) g/l Au 0.5 (0.4 - 0.6) g/l Fe 1.0 (0.8 - 1.2) g/l In	Purity	approx. 96% Au approx. 3,5% Fe approx. 0,5% In
pH value	4.0 (3.8 - 4.5)	Colour of deposit	pale yellow
Operating temperature	45 (40 - 50) °C	Hardness of deposit HV 0.025 (Vickers) approx. values	approx. 220 HV
Current density range	2.5 (2.0 - 3.0) A/dm <sup>2</sup>		
Deposition speed	approx. 0.11 µm/min at 2,5 A/dm <sup>2</sup>		
Deposition rate	approx. 7,8 mg/Amin at 2,5 A/dm <sup>2</sup>		

### 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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