



## AURUNA® 215 Pale Gold Iron Indium Electrolyte

Proven electrolyte with new color scheme

AURUNA® 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.



### Electrolyte characteristics

Electrolyte type	weakly acidic
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
pH value	4.0 (3.8 - 4.5)
Operating temperature	45 (40 - 50) °C
Current density range	2.5 (2.0 - 3.0) A/dm <sup>2</sup>
Plating 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>

## Coating characteristics

Coating	Gold iron indium
Purity	approx. 96% Au, approx. 3,5% Fe, approx. 0,5% In
Colour of deposit	pale yellow
Hardness	approx. 220 HV

## 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

## Your contact person



**Markus Legeler**

Manager Sales International

T: +49 7171 607 204

F: +49 7171 607 316

[markus.legeler@eu.umicore.com](mailto:markus.legeler@eu.umicore.com)