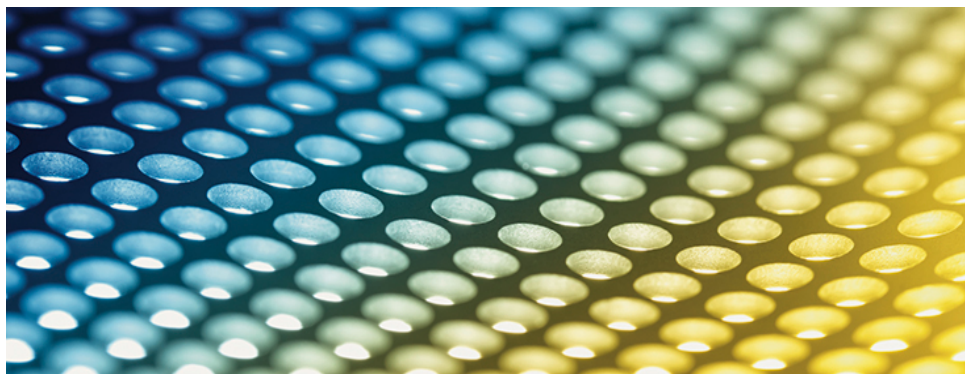


**SANODYE®
YELLOW 3GL**



SANODYE YELLOW 3GL IS A HOMOGENEOUS, WATER-SOLUBLE DYE WHICH IS DISTINGUISHED BY HIGH FASTNESS TO LIGHT, WEATHER AND HEAT

Suitable for interior and exterior architectural purposes

Sanodye Yellow 3GL is also suitable for alloys containing silicon (Grinatal type); pleasant fast to light olive shades are obtained

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1. DYE-SPECIFIC DATA

Commercial form:	Fine granules
Shade:	Greenish yellow (lemon yellow)
Chemical character:	Methine dye
Bulking volume:	750 g/l
Solubility in water:	100 g/l at 20 °C
Storage stability:	10 years
Ecotoxicological data:	See safety data sheet

2. APPLICATION CONDITIONS

	CONCENTRATION g/l	DYEING TEMPERATURE °C	DYEING TIME min
Standard coating thickness (12 µm)	0.05-3	25-60	10-20
Sanodal coating thickness (25 µm)	3-4	55-60	30-45

pH-value: 5.5 ± 0.5

Buffer: The dyebaths are preferably buffered with
8 g/l sodium acetate trihydrate
0.4 ml/l acetic acid, pH 5.6

Water quality: Preferably deionized

Sealing: Preferably with Anodal® ASL
(one or two stage)

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3. SETTING THE DYEBATH

When preparing the dyebath care must be taken that the dye is well dissolved. The dye can be dissolved in deionized water (80-90 °C) in a separate container (5 parts water to 1 part dye). This stock solution is then stirred into the dyebath.

4. LIGHT FASTNESS OF THE DYEINGS

Sanodye Yellow 3GL is distinguished by outstanding light fastness and heat stability.

Light fastness (Sanodal coating thickness 25µm): Rating > 9 (ISO 2135)
Heat stability: No change after 12 h at
250 °C

5. SPECIAL REMARKS

- Unsealed dyeing can be stripped with nitric acid.
- The dyebaths are sensitive to sulphate and aluminum; anodized objects should therefore be rinsed thoroughly before dyeing.
- Shading
With the exception of exterior building elements, the dye can be applied together with Sanodal Turquoise PLW Liquid for green shades.
- Prevention of mould formation:
We recommend the addition of a suitable antimicrobial product

6. DISPOSAL OF THE DYEBATHS

Spent dyebaths must be disposed of; e.g. with Anodal WT-1 Liquid. The precipitation method is described in detail in the technical information bulletin for Anodal WT-1 Liquid.

The table below shows the additions required for precipitating Sanodye Yellow 3GL.

PRECIPI- TATION METHOD	FeCl ₃ , 40 % ml/g dye	ETCHING LYE ml/g dye	ANODAL WT-1 LIQUID ml/g dye	RESIDUAL DYE IN THE FILTRATE mg/l
A	5.0	–	2.0	~ 18
B	5.0	–	2.0	~ 25
C	–	5.0	3.0	~ 25

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