

# Sunset Yellow FCF (Food Grade E110)

Catalog No: ASD-630 | CAS: 2783-94-0 | C.I. 15985 (Food Yellow 3)

Premium synthetic azo dye for food, beverage, pharmaceutical, and cosmetic applications

## 1. Product Overview

Sunset Yellow FCF is a premium synthetic azo dye that provides a brilliant orange-yellow colour. Highly water-soluble and stable in the presence of fruit acids and light, it is a globally recognised food colorant known as E110 in Europe and FD&C Yellow No. 6 in the United States. This batch achieves an exceptionally high purity of 90.4%, far exceeding the standard minimum requirement of 85.0%, delivering more intense coloration and improved value per kilogram.

## 2. Chemical & Physical Properties

Property	Value
Chemical Name	Sunset Yellow FCF
CAS Number	2783-94-0
Color Index	C.I. 15985 (Food Yellow 3)
Common Names	E110 (EU) / FD&C Yellow No. 6 (USA) / Food Colour 110 (AU/NZ)
Grade	Food Grade / Pharmaceutical Grade
Form	Powder
Colour	Orange-yellow
Solubility	Excellent solubility in water; clear bright solutions without turbidity
Total Dye Content	90.4% (specification: min. 85.0%)
Subsidiary Dyes	0.23% (specification: max. 1.00%)
Dye Intermediates	0.19% (specification: max. 0.50%)
Heavy Metals	< 40 ppm (specification: max. 40 ppm)
Lead (Pb)	< 10 ppm (specification: max. 10 ppm)
Arsenic (As)	< 1 ppm (specification: max. 3 ppm)

## 3. Key Features & Benefits

- Superior purity — verified assay of 90.4%, providing more intense coloration and better value per kilogram than standard 85% grades
- High solubility — excellent solubility in water, ensuring clear, bright solutions without turbidity
- Low impurities — subsidiary dyes 0.23% and dye intermediates 0.19%, well below regulatory limits for a cleaner, safer end product
- Light and acid stable — preferred choice for beverages, confectionery, and desserts exposed to fruit acids
- Global regulatory compliance — meets or exceeds EU (E110), USA (FD&C Yellow No. 6), and AU/NZ (Food Colour 110) specifications
- Stocked in Australia — fast local delivery within 1-3 business days

## 4. Applications

Application Area	Details
<b>Food &amp; Beverage (E110)</b>	Soft drinks, orange sodas, squashes, energy drinks; hard candies, gummies, cake decorations; gelatins, puddings, ice creams; cheese sauces, breadcrumbs, snack coatings
<b>Pharmaceuticals</b>	Sugar and film coatings for tablets and capsules; colour for liquid medicinal formulations and syrups
<b>Cosmetics (FD&amp;C Yellow 6)</b>	Shampoos, lotions, bath products, and makeup formulations

## 5. Regulatory Status

Region	Regulatory Status
<b>European Union</b>	Permitted food additive E110 — subject to labelling requirements
<b>United States</b>	Certified as FD&C Yellow No. 6 by the FDA
<b>Australia / New Zealand</b>	Permitted food colour (110) under Food Standards Australia New Zealand (FSANZ)

## 6. Storage & Stability

Parameter	Recommendation
<b>Storage Conditions</b>	Cool, dry, well-ventilated area away from heat and direct sunlight
<b>Container</b>	Keep tightly sealed to prevent moisture absorption
<b>Shelf Life</b>	Stable under recommended storage conditions — refer to label for expiry date

## 7. Quality & Compliance

- Manufactured and tested to meet EU, US, and Australian/NZ food colour standards
- Full batch-specific Certificate of Analysis (COA) available upon request
- Safety Data Sheet (SDS) available upon request
- For bulk quantities or contract pricing, contact: [sales@ausamics.com](mailto:sales@ausamics.com)

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