TECHNICAL DATA

PRODUCT NAME: FD&C YELLOW NO. 6 GRANULAR, CALCIUM STABLE
PRODUCT CODE: 21EC4415

Color Index Name: Food Yellow 3  
Color Index No.: 15985

CAS No.: 2783-94-0  
Molecular Weight: 452.4

Description: Red-orange granules

Chemical Name: Disodium salt of 6-hydroxy-5-[(4-sulfophenyl) azo]-2-naphthalenesulfonic acid

Pure Color Assay: FDA Requirement 87% minimum  
HD Specification 89% minimum  
FDA #1.01

Volatile plus Chlorides and Sulfates as Sodium Salts: 13% maximum  
FDA #2.02

Water Insolubles: 0.2% maximum  
FDA #2.21

Uncombined Intermediates: Meets FDA requirements  
FDA #4.01

Subsidiary Colors: Meets FDA requirements  
FDA #4.01

Heavy Metals: Lead 10 ppm maximum  
Arsenic 3 ppm maximum  
Mercury 1 ppm maximum  
FDA #7.01

10/13/04  
CAR:bt

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The information provided on this and any following pages regarding our product(s) has been developed as a guide for your consideration and verification and does not constitute a legal representation or warranty. Due to differences in product formulation and operational conditions, we cannot be responsible for results in the user’s plant or product.
Ingredients Declaration:  
C.I. Food Yellow 3  89-95%  
Water  3-5%  
Sodium Chloride  2-4%

Stability to:  
Light  Moderate  
Oxidation  Fair  
Heat  Good

Variations in pH:  
pH 3  Stable  
pH 8  Stable

Solubility at 25°C:  
Distilled Water  23 oz. per gallon  
Glycerine  14 oz. per gallon  
Propylene Glycol  2 oz. per gallon  
Ethanol (95%)  Tint

Microbiological:  
APC  < 1000 col./gram  
Yeast & Mold  < 100 col./gram combined  
Gram Negative  Negative

Shelf Life  
Indefinite when stored as recommended (5 years)

Recommended Storage Conditions:  
Store at room temperature in a dry location. Keep container and inner liner tightly closed.

Remarks  
FD&C Yellow No. 6 gives a reddish yellow color in solution. It has good resistance to acids, alkalies, heat and light. Resistance to oxidizing and reducing agents is fair.

The major uses of FD&C Yellow No. 6 are in beverages, bakery goods, pet foods, dessert powders, confections and cereals.