**COLOUR SPECIFICATION “SUNSET YELLOW FCF”**

EEC No. : E 110

# FD & C No. : Yellow 6

C.I. Name : Yellow 3

C.I. No. : 15985

Synonyms : Food Yellow 3

Einecs : 220-491-7

CAS No. : 2783-94-0

Chemical Formula : C16H10N2Na2O7S2

Chemical Name : Disodium 2-hydroxy-1-(4-sulfonatophenylazo)naphthalene-6-sulfonate

Physical Appearance : Light Orange to Reddish Orange Powder

Appearance of the Aqueous Solution : Orange

Wavelength of Max. Absorbance : @485 nm

Absorptivity g.cm / 100ml : 555

Bulk Density (BD) : 60-80g/100ml

Pure Dye Content (On Dry Basis at 105⁰C) : Not less than 87%

Loss on Drying At 135⁰C & Sodium Chloride / Sulfate : Less than 13%

Water Insoluble Matter : Less than 0.2%

Ether Extractable Matter : Less than 0.2%

Subsidiary colouring matters : Less than 5%

1-(Phenylazo)-2-naphthalenol (Sudan I) : Less than 0.5 PPM

Organic Compounds other than colouring matters:

4-aminobenzene-1-sulfonic acid

3-hydroxynaphthalene-2,7-disulfonic acid

6-hydroxynaphthalene-2-sulfonic acid

7-hydroxynaphthalene-1,3-disulfonic acid Less than 0.5%

4,4’-diazoaminodi(benzene sulfonic acid)

6,6’-oxydi(naphthalene-2-sulfonic acid)

Unsulphonatic primary aromatic amines : Less than 0.01%

Lead (As “Pb”) : Less than 2 PPM

Arsenic (As “As”) : Less than 3 PPM

Mercury (As “Hg”) : Less than 1 PPM

Cadmium (As “Cd”) : Less than 1 PPM

Heavy Metals : Less than 40 PPM

Identification of colouring matters : Passes Test.

Solubility : Soluble in water, sparingly soluble in ethanol

Shelf Life : 3 Years

**Storage Condition**: Dry and cool place, avoid sun light & moisture

**Note: Above Specification As Per EU Regulations No: 231/2012**