**COLOUR SPECIFICATION “QUINOLINE YELLOW”**

EEC No. : E104

C.I. Name : Yellow 13

C.I. No. : 47005

Synonyms : Food Yellow 13

Einecs : 305-897-5

CAS No. : 8004-72-0

Chemical Formula : C18H9NO8S2Na2

Chemical Name : The disodium salts of the disulfonates of 2-(2-quinolyl) indan-1,3-dione

 (principal component)

Physical Appearance : Yellow Powder or Granules

Appearance of the Aqueous Solution : Yellow

Wavelength of Max. Absorbance : @411 nm

Absorptivity g.cm / 100ml : 865

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

Pure Dye Content (On Dry Basis at 105⁰C) : Not less than 70%

Loss on Drying at 135⁰C & Sodium Chloride / Sulfate : Less than 30%

Water Insoluble Matter : Less than 0.2%

Ether Extractable Matter : Less than 0.2%

Subsidiary Colouring Matters : Less than 4%

Organic Compounds other than colouring matters:

2-methylquinoline

2-methylquinoline-sulfonic acid Less than 0.5%

Phthalic acid

2,6-dimethyl quinoline

2,6-dimethyl quinoline sulfonic acid

2-(2-quinolyl)indan-1,3-dione : Less than 4 PPM

Unsulfonated Primary Aromatic Amines : Less than 0.01 %

Lead (As “Pb”) : Less than 2 PPM

Arsenic (As “As”) : Less than 1 PPM

Mercury (As “Hg”) : Less than 1 PPM

Cadmium : Less than 1 PPM

Total Bacteria Count : Less than 1000 cfu/g

Total combined Yeast & Mould : Less than 100 cfu/g

Heavy Metals : Less than 40 PPM

Solubility : Soluble in water, Sparingly soluble in ethanol

Identification of colouring matters : Passes test

Shelf Life : 3 Years

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

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