**COLOUR SPECIFICATION “BRILLIANT BLUE”**

EEC No. : E 133

# FD & C No. : Blue 1

C.I. Name : Blue 2

C.I. No. : 42090

Synonyms : Food Blue 2

Einecs : 223-339-8

CAS No. : 3844-45-9

Chemical Formula : C37H34N2Na2O9S3

Chemical Name : Disodium α-(4-(N-ethyl-3-sulfonatobenzylamino) phenyl)-α-(4-N-ethyl-3-

sulfonatobenzylamino) cyclohexa-2,5-dienylidene) toluene-2-sulfonate

Physical Appearance : Reddish Shinning Blue Powder

Appearance of the Aqueous Solution : Blue

Wavelength of Max. Absorbance : @630 nm

Absorptivity g.cm / 100ml : 630

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

Pure Dye Content % (On Dry Basis at 105°C) : Not less than 87%

Loss on Drying at 135°C & 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 6.0%

Organic Compounds other than colouring matters:

Sum of 2-, 3-and 4–formyl benzene sulfonic acids : Less than 1.5%

3-((ethyl)(4-sulfophenyl)amino) methyl benzene sulfonic acid : Less than 0.3%

Leuco base : Less than 5.00%

Unsulfonated Primary Aromatic Amines : Less than 0.01 %

Lead (As “Pb”) : Less than 2 PPM

Arsenic (As “As”) : Less than 1 PPM

Cadmium (As “Cd”) : Less than 1 PPM

Mercury (As “Hg”) : Less than 1 PPM

Heavy Metals : Less than 40 PPM

Solubility : Soluble in water and Ethanol

Identification of colouring matters : Passes test

Chromium : Not more than 50 mg/kg

Shelf Life : 3 Years

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

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