**COLOUR SPECIFICATION “CARMOISINE”**

EEC No. : E-122

C.I. Name : Red 3

C.I. No. : 14720

Synonyms : Food Red 3

Einecs : 222-657-4

CAS No. : 3567-69-9

Chemical Formula : C20H12N2Na2O7S2

Chemical Name : Disodium 4-hydroxy-3-(4-sulfonato-1-naphthylazo) naphthalene-1-sulfonate

Physical Appearance : Red to Maroon Powder or Granules

Appearance of the Aqueous Solution : Red

Wavelength of Max. Absorbance : @516 nm

Absorptivity g.cm / 100ml : 510

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

Pure Dye Content% (On Dry Basis at 105°C) : Not less than 85%

Loss on Drying at 135°C & Sodium Chloride / Sulfate : Less than 15%

Water Insoluble Matter : Less than 0.2%

Ether Extractable Matter : Less than 0.2%

Subsidiary colouring matters : Less than 1%

Organic Compounds other than colouring matters:

4-aminonaphthalene-1-sulfonic acid Less than 0.5%

4-hydroxynaphthalene-1-sulfonic acid

Unsulphonated 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 (As “Cd”) : Less than 1 PPM

Heavy Metals : Less than 40 PPM

Shelf Life : 3 Years

Solubility : Soluble in water, sparingly soluble in ethanol



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

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