**COLOUR SPECIFICATION “PONCEAU 4R”**

EEC No. : E124

C.I. Name : Red 7

C.I. No. : 16255

Synonyms : Food Red 7

Einecs : 220-036-2

CAS No. : 2611-82-7

Chemical Formula : C20H11N2Na3O10S3

Chemical Name: Trisodium 2-hydroxy-1-(4-sulfonato-1-naphthylazo) naphthalene-6, 8- disulfonate

Physical Appearance : Reddish Powder or Granules

Appearance of the Aqueous Solution : Red

Wavelength of Max. Absorbance : @505 nm

Absorptivity g.cm / 100ml : 430

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

Pure Dye Content (On Dry Basis at 105⁰C) : Not less than 85%

Loss on Drying At 135⁰C & 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

7-hydroxynaphthalene-1,3-disulfonic acid

3-hydroxynaphthalene-2,7-disulfonic acid Less than 0.5%

6-hydroxynaphthalene-2-sulfonic acid

7-hydroxynaphthalene-1,3-6-trisulfonic acid

Unsulfonated 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

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**