**COLOR SPECIFICATION “ERYTHROSINE”**

EEC NO. : E-127

C.I. NAME : RED 14

C.I.NO. : 45430

Synonyms : Food Red 14

Einecs : 240-474-8

CAS No. : 16423-68-0

Chemical Formula : C20H6I4Na2O5

Chemical Name : Disodium 2-(2,4,5,7-tetraiodo-3-oxido-6-oxoxanthen-9-yl)benzoate monohydrate

Physical Appearance : Red Powder or Granules.

Appearance of the Aqueous Solution : Red

Wavelength of Max. Absorbance : @526 nm

Absorptivity g.cm / 100ml : 1100

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

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 0.20%

ETHER EXTRACTABLE MATTER : LESS THAN 0.20%

SUBSIDIARY COLOURING MATTERS : LESS THAN 4.00%

ORGANIC COMPOUNDS OTHER THAN COLOURING MATTERS:

Tri-iodoresorcinol : LESS THAN 0.2%

2-(2, 4-dihydroxy-3, 5-di-iodobenzoyl) benzoic acid : LESS THAN 0.2%

UNSULFONATED PRIMARY AROMATIC AMINES : LESS THAN 0.01 %

INORGANIC IODIDES : NOT MORE THAN 0.1%

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

FLUORESCEIN : LESS THAN 20 PPM

ZINC (As “Zn”) : LESS THAN 50 PPM

HEAVY METALS : LESS THAN 40 PPM

SOLUBILITY : SOLUBLE IN WATER & 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**