

RIBOFLAVIN-5-PHOSPHATE

REGULATORY INFORMATION

E. No: E101(ii)

DESCRIPTION:

Yellow To Orange Yellow Crystalline Powder, Hygroscopic

SOLUBILITY:

Soluble In Water, very slightly soluble in alcohol, practically insoluble in Ether.

IDENTIFICATION:

Should comply with the Absorption, HPLC, Fluorescence, Reactions of Sodium Salt & Phosphate tests.

| | | |
|---------------------------|---|--------------------------------------|
| pH of 2.0% Solution | : | Between 5.0 to 6.5 |
| Specific Optical Rotation | : | Between + 38 Degrees To + 43 Degrees |
| Lumiflavine | : | Should comply test. |

RELATIVE SUBSTANCE (HPLC)

| | | |
|-----------------------------|---|------------------------|
| Free Riboflavin | : | Not greater than 6.0%. |
| Free Riboflavin diphosphate | : | Not greater than 6.0%. |
| Inorganic Phosphate | : | Not more than 1.0% |
| Heavy Metals | : | Not more than 10 ppm |
| Loss on Drying | : | Not more than 8.0%. |

MICROBIOLOGICAL PURITY:

| | | |
|-----------------------|---|---------------------------|
| Total Bacterial Count | : | Not more than 1000 cfu/gm |
| Total Fungal Count | : | Not more than 250 cfu/gm |
| Escherichia in 1 gm | : | Absent |
| Assay On Dry Basis | : | NLT 73.0% NMT 79.0%. |