

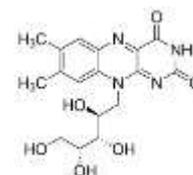


# Product Specification

cdhfinechemical.com

## RIBOFLAVIN FOR BIOCHEMISTRY VITAMIN B<sub>2</sub> (FOR LAB USE)

|                                    |   |
|------------------------------------|---|
| <b>PRODUCT CODE</b>                | <b>214725</b>   |
| <b>SYNONYMS</b>                    | --  |
| <b>C.I. NO.</b>                    | --  |
| <b>CASR NO.</b>                    | <b>(83-88-5)</b>  |
| <b>ATOMIC OR MOLECULAR FORMULA</b> | <b>C<sub>17</sub>H<sub>20</sub>N<sub>4</sub>O<sub>6</sub></b>               |
| <b>ATOMIC OR MOLECULAR WEIGHT</b>  | <b>376.37</b>   |
| <b>PROPERTIES</b>                  | <b>Slightly soluble in water and alcohols, insoluble in lipid solvents.</b> |



| PARAMETER   | LIMIT  |
|---|--|
| Description   | Yellow to orange yellow crystalline powder, odour slight, taste slightly bitter.                             |
| Solubility  | Slightly soluble in water, more soluble in saline solution, soluble in dilute solution of alkali hydroxides. |
| Assay (HPLC, on dry basis)  | 98.0 - 102%  |
| Melting range   | About 290°C  |
| pH of 0.001% solution in water  | 5.00 -7.00   |
| Specific optical rotation ( $\alpha$ ) <sup>20</sup> <sub>D</sub><br>(c = 0.5% in 0.05 M NaOH, on dried substance, at 25°C) | -135° to -115°   |

### MAXIMUM LIMIT OF IMPURITIES

|                           |      |
|---------------------------|------|
| Loss on drying (at 105°C) | 1.5% |
| Sulphated ash             | 0.1% |

**Note(s) : Assay (if applicable) method mentioned.**

#### WARNING

**Hazard statements :** Not hazardous. No hazards.

**Precautionary statements**

**Prevention:** -----

**Response:** ---

**Disposal:** The chemical should be mixed combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.

**Hazard Pictogram(s) :-----**

IMDG Code :--

UN No. :--

IATA :--

Replace date 11-Feb-2026