



Product Specification

Product Name: Vitamin B2 (Riboflavin)

Alternate Name(s) Riboflavin Universal; lactoflavin; 7,8-dimethyl-10-(1-D-ribityl)-isoalloxazine.

Description

Orange-yellow free-flowing powder; practically odourless; bitter taste.

Properties

Chemical Formula: $C_{17}H_{20}N_4O_6$

Molecular Weight: 376.36

Product Code: VP008

CAS No. 83-88-5

General Information:

Soluble in water and hydrochloric acid; insoluble in ethanol, ether, chloroform and acetone.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: VP0083CH8

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 98.0 - 102.0% (on dry basis)

Specific Properties and Impurities [Typical levels]:

Identification	Intense yellowish-green fluorescence that disappears upon the addition of mineral acids or alkalis.
Lumiflavin	≤ 0.025
Specific rotation	-115° to -135°
Loss on drying	≤ 1.5%
Residue on Ignition	≤ 0.3%
Lead	≤ 0.0001%
Heavy Metals (Pb)	≤ 0.0010%
Particle Size	95% passes through 80 mesh
Aerobic Plate Count	≤ 1000 CFU/g
Yeast & Moulds	≤ 100 CFU/g
E.coli	Negative

CONFORMS TO USP

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