



Product Specification

Product Name: VITAMIN B2

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: 376-37

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:

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 98.0 - 101.0% (on dry material)

Specific Properties and Impurities [Typical levels]:

Fineness	min. 90% less than 180µm
Specific rotation (589nm @ 25 °C, 0.5M in HCL)	+56.5° to +59.5°
Loss on drying	≤ 1.5%
Sulfated ash	≤ 0.1%
Heavy Metals	≤ 0.001%
Lead	≤ 0.0002%
Mercury	≤ 0.0001%
Cadmium	≤ 0.0001%
Arsenic	≤ 0.0003%
Lumiflavin	Passes test
Organic volatile impurities and residual solvents	Passes test

CONFORMS TO USP

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