



Specification

Riboflavin USP

Catalog Number: RB1001
CAS Number: 83-88-5
Synonym(s): Lactoflavin, Vitamin B₂, Vitamin G
Molecular Formula: C₁₇H₂₀N₄O₆
Molecular Weight: 376.36
Storage: 376.36
Retest Period: Three years from date of manufacture.

Test	Specification
Appearance	Orange yellowish crystalline powder
Assay (Dry Basis)	98.0% to 102.0%
Identification	Positive
Specific Rotation	-115.0° to -135.0°
Moisture (LOD)	≤ 1.50%
Lumiflavin	≤ 0.025 (440nm absorbance)
Heavy Metal	≤ 10ppm
Arsenic	≤ 1ppm
Cadmium	≤ 1ppm
Lead	≤ 0.1ppm
Mercury	≤ 0.1ppm
Residue on Ignition	≤ 0.30%
Residual Solvents	To meet requirements
Total Plate Count	≤ 1,000cfu/g
Yeast & Mold	≤ 100cfu/g
Coliforms	≤ 10cfu/g
<i>E. Coli</i>	Negative
<i>Salmonella</i>	Negative
<i>Staphylococcus Aureus</i>	Negative
Solubility (10mg/mL in 0.1M NaOH)	Clear yellow to orange solution
Particle Size	100% thru 60mesh
This product meets specifications for USP 36 standard.	

Approved:

John Grubb, PhD
Gojira Fine Chemicals
Quality Manager

Date: July 24, 2015



Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs
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