

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-25 11:36:52

Date of Next Testing: 2029-06-24 11:36:52

Product Name: **Riboflavine**

CAS Number: 83-88-5

Specifications & Purity: Moligand™, ≥98%

Lot #: F2519774

SKU #: **R104137**

Version: **1**

Analysis #: **500974**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=0.5 in 0.05 M NaOH)	-142--115 (°)	-137.10400 °
Nitrogen by Elemental Analysis	14.6-15.2 (%)	14.87600 %
Carbon by Elemental Analysis	53.2-55.3 (%)	53.82300 %
Purity(HPLC)	98-100 (%)	99.56800 %
Appearance (R104137)	White to Yellow to Orange or Orange-Yellow Powder to Crystal	White to Yellow to Orange or Orange-Yellow Powder to Crystal
Solubility in 0.1M NaOH	Yellow to Orange,Clear,10 mg/ml	Yellow to Orange,Clear,10 mg/ml
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager