

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-25 14:41:40
Date of Next Testing: 2029-06-24 14:41:40
Product Name: **Riboflavine**
CAS Number: 83-88-5
Specifications & Purity: Moligand™, ≥98%
Lot #: F2519557
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 (°) | -137.10 ° |
| Nitrogen by Elemental Analysis | 14.6-15.2 (%) | 14.88 % |
| Carbon by Elemental Analysis | 53.2-55.3 (%) | 53.82 % |
| 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