

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-25 11:06:23

Date of Next Testing: 2029-06-24 11:06:23

Product Name: **Riboflavine**

CAS Number: 83-88-5

Specifications & Purity: Moligand™, ≥98%

Lot #: F2519291

SKU #: **R104137**

Version: **1**

Analysis #: **500974**

Storage Temperature: Store at 2-8°C

| Parameter                                                    | Limit Values                                                 | Result                                                       |
|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|
| Specific Rotation [α] <sub>20</sub> /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