

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-18 18:17:45
Date of Next Testing: 2026-07-17 18:17:45
Product Name: **(-)-Riboflavin**
CAS Number: 83-88-5
Specifications & Purity: meets USP testing specifications
Lot #: G23131229
SKU #: **R434261**
Analysis: **227928**
Storage Temperature: Protected from light

| Parameter | Limit Values | Result |
|--|-----------------------|-----------------------|
| Loss on drying | 0-1.5 (%) | 0.03% |
| Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in } 0.05 \text{ M NaOH})$ | -135~-115 (°) | -121.11900° |
| Limit of Lumiflavin absorbance of filtrate at 440 nm | 0-0.025 | 0.00200 |
| Residue on ignition(Ash) | 0-0.3 (%) | 0.00000% |
| Assay(dry basis) | 98.0-102 (%) | 99.73500% |
| NMR Spectrum 1H | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager