

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-26 10:35:21  
Date of Next Testing: 2027-11-26 10:35:21  
Product Name: (-)-Riboflavin  
CAS Number: 83-88-5  
Specifications & Purity: PharmPure™, USP  
Lot #: K2425009  
SKU #: R434261  
Version: 2  
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