

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-06-18 16:24:46  
Date of Next Testing: 2027-06-18 16:24:46  
Product Name: (-)-Riboflavin  
CAS Number: 83-88-5  
Specifications & Purity: BioReagent, suitable for cell culture, suitable for insect cell culture, ≥98%  
Lot #: F2414032  
SKU #: R434262  
Version: 1  
Analysis #: 372175  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	98.06%
Specific Rotation [α] <sub>20</sub> /D(c=0.5 in 0.05 M NaOH)	-135--115 (°)	-116.50°
Appearance(R434262)	Yellow to Orange Powder	Yellow to Orange Powder
Solubility(10 mg/ml, 0.1M NaOH)Clear	Yellow to Orange	pass
LC-MS for identification	Conforms	Conforms
Cell Culture Test	pass	Pass
Insect Cell Test	Pass	Pass
Infrared spectrum	conforms to structure	Conforms to Structure



John Su  
QA & QC Manager