

Certificate of Analysis

Date of Testing: 2023-07-18 15:00:49
Date of Next Testing: 2026-07-17 15:00:49
Product Name: **(-)-Riboflavin**
CAS Number: 83-88-5
Specifications & Purity: meets USP testing specifications
Lot #: G23131253
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