

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2025-12-26 16:30:42
Date of Next Testing:	2030-12-25 16:30:42
Product Name:	D-Luciferin, Potassium Salt
CAS Number:	115144-35-9
Specifications & Purity:	Suitable for Molecular Biology, ≥99.9% (HPLC)
Lot #:	ZJ25F1230628
SKU #	D1375449
Version:	1
Analysis #:	028088

Parameter	Limit Value	Result
Appearance(D1375449)	Slightly yellow to yellow powder	Slightly yellow to yellow powder
Solubility (color): 1% in water	Slightly yellow to yellow	Slightly yellow to yellow
Solubility (Turbidity): 1% in water ≤4.0 NTU	Conform	Conform
Water content ≤1.0%	Conform	Conform
TLC (50 mg in 5 ml water; ethanol/ammonia 20:1; UV 254 nm)	Corresponds to reference material	Corresponds to reference material
Purity (HPLC) ≥99.9%	Conform	Conform
UV Wavelength (c=0.01 mg/mL in 0.5 M Na ₂ CO ₃): 381-385 nm	Conform	Conform
Molar Extinction Coefficient ≥6000.0 L/(mol cm)	Conform	Conform
FT-IR Spectrum	Conforms to structure	Conforms to structure
Molar Extinction Coefficient ≥17500.0 L/(mol cm)	Conform	Conform
UV Wavelength(c=0.01 mg/mL in 0.5 M Na ₂ CO ₃): 283-285 nm	Conform	Conform



Sophia Cheng
Quality Assurance