

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2026-04-29 17:05:01
Date of Next Testing:	2031-04-28 17:05:01
Product Name:	<b>D-Luciferin, Potassium Salt</b>
CAS Number:	115144-35-9
Specifications & Purity:	Suitable for Molecular Biology, $\geq 99.9\%$ (HPLC)
Lot #:	ZJ26F0434838
SKU #	<b>D1375449</b>
Version:	<b>1</b>
Analysis #:	034018

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 $\leq 4.0$ NTU	Conform	Conform
Water content $\leq 1.0\%$	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) $\geq 99.9\%$	Conform	Conform
UV Wavelength (c=0.01 mg/mL in 0.5 M Na <sub>2</sub> CO <sub>3</sub> ): 381-385 nm	Conform	Conform
Molar Extinction Coefficient $\geq 6000.0$ L/(mol cm)	Conform	Conform
FT-IR Spectrum	Conforms to structure	Conforms to structure
Molar Extinction Coefficient $\geq 17500.0$ L/(mol cm)	Conform	Conform
UV Wavelength(c=0.01 mg/mL in 0.5 M Na <sub>2</sub> CO <sub>3</sub> ): 283-285 nm	Conform	Conform



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 Sophia Cheng  
 Quality Assurance