

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-04-21 16:42:47
 Date of Next Testing: 2030-04-20 16:42:47
 Product Name: **D-Luciferin**
 CAS Number: 2591-17-5
 Specifications & Purity: $\geq 98\%$
 Lot #: D2616401
 SKU #: **D115508**
 Version: **1**
 Analysis #: **672333**
 Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.36800 %
Water by Karl Fischer	0-3 (%)	0.31380 %
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in DMF})}$	-34--30 ($^{\circ}$)	-33.61300 $^{\circ}$
Sulfur by Elemental	21.9-23.2 (%)	21.92000 %
Analysis(Anhydrous)		
Appearance (D115508)	White to off-white to light yellow powder	White to off-white to light yellow powder
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
 QA & QC Manager