

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-21 15:10:14  
Date of Next Testing: 2030-04-20 15:10:14  
Product Name: **D-Luciferin sodium salt**  
CAS Number: 103404-75-7  
Specifications & Purity:  $\geq 98\%$   
Lot #: D2615265  
SKU #: **D115509**  
Version: **1**  
Analysis #: **680147**  
Storage Temperature: Protected from light, Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.92600 %
Water by Karl Fischer	0-11 (%)	5.49380 %
Nitrogen by Elemental Analysis	9-9.8 (%)	9.46300 %
Sodium (Na)(anhydrous)	7.2-8 (%)	7.68200 %
Carbon by Elemental Analysis(anhydrous)	42.8-46.5 (%)	44.83200 %
Appearance (D115509)	Off-white to Grey to Yellow to Dark Yellow powder or solid	Off-white to Grey to Yellow to Dark Yellow powder or solid
Solubility, Yellow to Green Clear(10mg/mL, H <sub>2</sub> O)	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager