

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-12 16:40:43
 Date of Next Testing: 2027-10-11 16:40:43
 Product Name: **D-Luciferin sodium salt**
 CAS Number: 103404-75-7
 Specifications & Purity: $\geq 98\%$
 Lot #: J2310406
 SKU #: **D115509**
 Version: **1**
 Analysis #: **280087**
 Storage Temperature: Protected from light, Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.45900 %
Water by Karl Fischer	0-11 (%)	8.24700 %
Nitrogen by Elemental Analysis	9-9.8 (%)	9.52000 %
Sodium (Na)(anhydrous)	7.2-8 (%)	7.72000 %
Carbon by Elemental Analysis(anhydrous)	42.8-46.5 (%)	43.85000 %
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
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility, Yellow to Green Clear(10mg/mL, H ₂ O)	pass	Pass



John Su
QA & QC Manager