

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-09 23:07:12
 Date of Next Testing: 2027-02-08 23:07:12
 Product Name: **D-Luciferin sodium salt**
 CAS Number: 103404-75-7
 Specifications & Purity: $\geq 98\%$
 Lot #: B2303270
 SKU #: **D115509**
 Version: **1**
 Analysis #: **158168**
 Storage Temperature: Protected from light, Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.09400 %
Water by Karl Fischer	0-11 (%)	1.44450 %
Nitrogen by Elemental Analysis	9-9.8 (%)	9.36200 %
Sodium (Na)(anhydrous)	7.2-8 (%)	7.75200 %
Carbon by Elemental Analysis(anhydrous)	42.8-46.5 (%)	45.68000 %
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