

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-10 09:54:32
Date of Next Testing: 2027-08-09 09:54:32
Product Name: **D-Luciferin sodium salt**
CAS Number: 103404-75-7
Specifications & Purity: $\geq 98\%$
Lot #: K1906032
SKU #: **D115509**
Version: **1**
Analysis #: **262293**
Storage Temperature: Protected from light, Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.66450 %
Water by Karl Fischer	0-11 (%)	10.70530 %
Nitrogen by Elemental Analysis	9-9.8 (%)	9.20000 %
Sodium (Na)(anhydrous)	7.2-8 (%)	7.21000 %
Carbon by Elemental Analysis(anhydrous)	42.8-46.5 (%)	46.14000 %
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