

Certificate of Analysis

Date of Testing: 2022-03-15 15:31:44
Date of Next Testing: 2026-03-14 15:31:44
Product Name: **D-Luciferin sodium salt**
CAS Number: 103404-75-7
Specifications & Purity: 98%
Lot #: C2211357
SKU #: **D115509**
Analysis: 075010
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.57000 %
Water by Karl Fischer	0-11 (%)	10.96 %
Nitrogen by Elemental Analysis	9-9.8 (%)	9.50 %
Sodium (Na)(anhydrous)	7.2-8 (%)	7.60 %
Carbon by Elemental Analysis(anhydrous)	42.8-46.5 (%)	44.60 %
Appearance (D115509)	Off-white to Grey to Yellow to Dark Yellow powder	Off-white to Grey to Yellow to Dark Yellow powder
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