

Certificate of Analysis

Date of Testing: 2022-11-23 11:41:05
Date of Next Testing: 2026-11-22 11:41:05
Product Name: **D-Luciferin**
CAS Number: 2591-17-5
Specifications & Purity: 98%
Lot #: K2211143
SKU #: **D115508**
Analysis: **131627**
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Sulfur by Elemental Analysis(Anhydrous)	21.9-23.2 (%)	22.03 %
Purity(HPLC)	98-100 (%)	99.28800 %
Water by Karl Fischer	0-3 (%)	1.06 %
Specific Rotation [α] ₂₀ /D(c=1 in DMF)	-34--30 (°)	-30.52 °
Appearance (D115508)	White to off-white to light yellow powder	White to off-white to light yellow powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager