

Certificate of Analysis

Date of Testing: 2023-05-13 17:24:51
 Date of Next Testing: 2027-05-12 17:24:51
 Product Name: **D-Luciferin**
 CAS Number: 2591-17-5
 Specifications & Purity: 98%
 Lot #: E2309853
 SKU #: **D115508**
Analysis: **189703**
 Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.02000 %
Water by Karl Fischer	0-3 (%)	1.05 %
Sulfur by Elemental	21.9-23.2 (%)	22.01 %
Analysis(Anhydrous)		
Specific Rotation [α] ₂₀ /D(c=1 in DMF)	-34--30 (°)	-30.21 °
Appearance (D115508)	White to off-white to light yellow powder	White to off-white to light yellow powder
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager