

Certificate of Analysis

Product Name	D-Luciferin, Potassium Salt		
Cat.No.	D1009L	Storage Conditions	-20℃ & avoid light
Lot.No.	230921W01-02	Expiration Date	20-09-2028
Molecular Formula	C ₁₁ H ₇ N ₂ O ₃ S ₂ K	Molecular Weight	318.4
CAS Number	115144-35-9	Excitation Emission	328/533 nm
Quality Control			
Items	Specification	Result	
Packaging appearance	Intact and undamaged	Intact and undamaged	
Appearance	Light yellow powder	Light yellow powder	
Weight/volume	500-510mg	500mg	
molar extinction coefficient	16500±1500	15180	
Purity	HPLC: ≥95% at 254 nm	99.4 at 254 nm	
	≥95% at 328 nm	99.8 at 328 nm	
Appendix			
N/A			
Conclusion	Up to standard	Report Date	11-12-2023
QC	Chen ming Jiang	QA	Qin hua-Yu

