



Product Specification

Product Name: D-Luciferin, Potassium Salt (Endotoxin Free)
Cat #: eLUCK
CAS #: 115144-35-9
Storage: Store desiccated at -20°C. Protect from light.

Test	Specifications
Color	slightly yellow to yellow
Form	powder
Color of Solution (1% in water)	slightly yellow to yellow
Turbidity (1% in water)	≤4.0 NTU
Water Content (K. Fischer)	≤1.0 %
TLC (50 mg in 5 ml water; ethanol/ammonia 20:1; UV 254 nm)	corresponds to reference material
Purity (HPLC)	≥99.0 area-%
UV Wavelength (c = 0.01 mg/mL in 0.5 mol/L sodium carbonate)	381 to 385 nm
Molar Extinction Coefficient	≥17500.0 L/(mol cm)
UV Wavelength (c = 0.01 mg/mL in 0.5 mol/L sodium carbonate)	283 to 285 nm
Molar Extinction Coefficient	≥6000.0 L/(mol cm)
FT-IR Spectrum	corresponds to reference spectrum
Endotoxins	≤1.0 EU/mg

GOLD BIOTECHNOLOGY, INC. provides this Product Specification in good faith. Specifications are subject to change.

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