

Certificate of Analysis

Date of Testing: 2023-02-27 13:50:30

Date of Next Testing: 2027-02-26 13:50:30

Product Name: **Guanosine**

CAS Number: 118-00-3

Specifications & Purity: 98%,for cell culture

Lot #: B2320131

SKU #: **G103966**

Analysis: **147419**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation [α] _D (c=1 in 1mol/L NaOH)	-80--72 (°)	-77.87°
Purity(HPLC)	98-100 (%)	99.64400 %
Water by Karl Fischer	0-14 (%)	3.02 %
Carbon by Elemental Analysis(anhydrous)	41.5-43.3 (%)	41.94 %
Nitrogen by Elemental Analysis (anhydrous)	24.2-25.2 (%)	24.56 %
EmM(at λ Max 252 ~ 253 nm at pH 7.0)	13.2-13.9	13.21
Appearance (G103966)	White to Off-White Powder	White to Off-White Powder
Solubility in Formic Acid/H ₂ O (1/1)	Clear to Slightly Hazy, Yellow to Green-Yellow, 5%	Clear to Slightly Hazy, Yellow to Green-Yellow, 5%
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Cell Culture Test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager