

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-08 14:16:55
 Date of Next Testing: 2026-03-07 14:16:55
 Product Name: **Guanosine**
 CAS Number: 118-00-3
 Specifications & Purity: Moligand™, for cell culture, ≥98%
 Lot #: C2201136
 SKU #: **G103966**
 Version: **1**
 Analysis #: **069670**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=1 in 1mol/L NaOH)	-80--72 (°)	-78.92900 °
Purity(HPLC)	98-100 (%)	98.50700 %
Water by Karl Fischer	0-14 (%)	2.56150 %
Carbon by Elemental Analysis(anhydrous)	41.5-43.3 (%)	41.73000 %
EmM(at λ Max 252 ~ 253 nm at pH 7.0)	13.2-13.9	13.89000
Nitrogen by Elemental Analysis (anhydrous)	24.2-25.2 (%)	24.47000 %
Appearance (G103966)	White to Off-White Powder	White to Off-White Powder
Cell Culture Test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
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



QualityAssurance@aladdinsci.com

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

John Su
QA & QC Manager