

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **Guanosine**
Specifications & Purity: 98%,for cell culture
SKU # **G103966**

Parameter	Limit Values
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 1\text{mol/L NaOH})$	-80--72 (°)
Carbon by Elemental Analysis(anhydrous)	41.5-43.3 (%)
EmM(at λ Max 252 ~ 253 nm at pH 7.0)	13.2-13.9
Nitrogen by Elemental Analysis (anhydrous)	24.2-25.2 (%)
Purity(HPLC)	98-100 (%)
Water by Karl Fischer	0-14 (%)
Appearance (G103966)	White to Off-White Powder
Cell Culture Test	pass
Infrared spectrum	Conforms to Structure
Solubility in Formic Acid/H ₂ O (1/1)	Clear to Slightly Hazy, Yellow to Green-Yellow, 5%
Proton NMR spectrum	Conforms to structure