

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-03 11:32:11  
Date of Next Testing: 2028-07-02 11:32:11  
Product Name: **Guanine**  
CAS Number: 73-40-5  
Specifications & Purity: 99%  
Lot #: F2424240  
SKU #: **G104274**  
Version: **0**  
Analysis #: **348272**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(Titration by HClO <sub>4</sub> )	98.5-101.5 (%)	98.60 %
Purity(HPLC)	99-100 (%)	99.97300 %
Appearance (G104274)	White to Yellow Powder	White to Yellow Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 5M HCl,c=25 mg/ml	Colorless to Yellow-Green Clear to hazy	Colorless to Yellow-Green Clear to hazy
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager