

Certificate of Analysis

Date of Testing: 2024-01-15 15:02:40
Date of Next Testing: 2028-01-14 15:02:40
Product Name: **Guanine**
CAS Number: 73-40-5
Specifications & Purity: 99%
Lot #: A2405491
SKU #: **G104274**
Analysis: **308811**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(Titration by HClO ₄)	98.5-101.5 (%)	100.35 %
Purity(HPLC)	99-100 (%)	99.91500 %
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