

Certificate of Analysis

Date of Testing: 2024-03-12 10:06:37

Date of Next Testing: 2028-03-11 10:06:37

Product Name: **Isocytosine**

CAS Number: 108-53-2

Specifications & Purity: 99%

Lot #: C2407246

SKU # **I122417**

Analysis: **329451**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	98.5-101.5 (%)	98.92 %
Purity(HPLC)	99-100 (%)	99.47000 %
EmM($\lambda_{\max}$: 273nm, 0.1 M NaOH)	6.4-6.7	6.68
Appearance (I122417Color)	White to pale yellow	White to pale yellow
Appearance (I122417Form)	Powder to crystal	Powder to crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in DMSO, clear solution,50 mg/ml	Pass	Pass



John Su
QA & QC Manager