

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-03-12 10:06:07
 Date of Next Testing: 2028-03-11 10:06:07
 Product Name: **Isocytosine**
 CAS Number: 108-53-2
 Specifications & Purity: $\geq 99\%$
 Lot #: C2407240
 SKU #: **I122417**
 Version: **2**
 Analysis #: **329451**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)	98.5-101.5 (%)	98.92000 %
Purity(HPLC)	99-100 (%)	99.47000 %
EmM($\lambda_{\max}$: 273nm, 0.1 M NaOH)	6.4-6.7	6.68190
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