

Certificate of Analysis

Date of Testing: 2023-07-13 16:02:22
 Date of Next Testing: 2027-07-12 16:02:22
 Product Name: **Cytidine**
 CAS Number: 65-46-3
 Specifications & Purity: Moligand™, ≥99%
 Lot #: G2307574
 SKU #: **C100358**
 Version: **1**
 Analysis #: **111357**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	210-217 (°C)	215.46000 °C
Specific Rotation [α] ₂₀ /D(c=0.7 in H ₂ O)	32-36 (°)	32.67°
Transmission (430nm, C=1, W/V, in H ₂ O)	98-100 (%)	99.32 %
Heavy metal (as Pb)	0-10 (ppm)	7.38 ppm
Purity(HPLC)	99-100 (%)	99.79000 %
Loss on drying	0-0.5 (%)	0.36 %
A280/A260	2.05-2.15	2.11
Ignition Residue (as sulfate)	0-0.1 (%)	0.06 %
A250/A260	0.41-0.49	0.45
Assay	98-102 (%)	99.62 %
Appearance (C100358)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Almost transparent	pass	Pass



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager