

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2022-07-25 10:49:16
Date of Next Testing:	2026-07-24 10:49:16
Product Name:	<b>Cytidine</b>
CAS Number:	65-46-3
Specifications & Purity:	Moligand™, ≥99%
Lot #:	G2221174
SKU #	<b>C100358</b>
Version	<b>1</b>
Analysis #:	<b>111357</b>
Storage Temperature:	Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	210-217 (°C)	215.46000 °C
Specific Rotation [α] <sub>20</sub> /D(c=0.7 in H <sub>2</sub> O)	32-36 (°)	32.67°
Transmission (430nm, C=1, W/V, in H <sub>2</sub> 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 %
A <sub>280</sub> /A <sub>260</sub>	2.05-2.15	2.11
Ignition Residue (as sulfate)	0-0.1 (%)	0.06 %
A <sub>250</sub> /A <sub>260</sub>	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 <sub>2</sub> O , Almost transparent	pass	Pass



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager