

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-19 10:21:24
 Date of Next Testing: 2026-08-18 10:21:24
 Product Name: **2'-Deoxycytidine hydrochloride**
 CAS Number: 3992-42-5
 Specifications & Purity: $\geq 99\%$
 Lot #: H2209272
 SKU #: **D121845**
 Version: **1**
 Analysis #: **091507**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	98.5-101.5 (%)	99.40000 %
EmM	8.8-9.2	9.00000
Purity(HPLC)	99-100 (%)	99.03300 %
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in } H_2O)}$	55-59 (°)	58.68000 °
Appearance (D121845)	White powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
LC-MS Test	Pass	Pass
Solubility, Colorless and clear (5% in H ₂ O)	pass	Pass
Wave Length, 270 - 272 nm	Pass	Pass



John Su
QA & QC Manager