

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-23 18:07:36
 Date of Next Testing: 2029-09-22 18:07:36
 Product Name: **2'-Deoxycytidine hydrochloride**
 CAS Number: 3992-42-5
 Specifications & Purity: $\geq 99\%$
 Lot #: I2522194
 SKU #: **D121845**
 Version: **1**
 Analysis #: **574871**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	98.5-101.5 (%)	99.62000 %
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$	55-59 (°)	57.93600 °
EmM	8.8-9.2	8.90000
Purity(HPLC)	99-100 (%)	99.88900 %
Appearance (D121845)	White to Almost white to Light Yellow powder to crystal	White to Almost white to Light Yellow powder to crystal
Infrared spectrum	Conforms to Structure	Conforms to Structure
LC-MS Test	Pass	Pass
Wave Length, 270 - 272 nm	Pass	Pass
Solubility, Colorless to light yellow and clear (5% in H ₂ O)	Pass	Pass



John Su
QA & QC Manager