

Certificate of Analysis

Date of Testing: 2022-12-07 16:14:36

Date of Next Testing: 2026-12-06 16:14:36

Product Name: **2'-Deoxycytidine hydrochloride**

CAS Number: 3992-42-5

Specifications & Purity: 99%

Lot #: L2206624

SKU #: **D121845**

Analysis: **159349**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	98.5-101.5 (%)	99.94 %
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$	55-59 (°)	56.79°
EmM	8.8-9.2	8.93
Purity(HPLC)	99-100 (%)	99.92200 %
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