

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-04-03 13:59:23

Date of Next Testing: 2026-04-03 13:59:23

Product Name: **Emtricitabine**

CAS Number: 143491-57-0

Specifications & Purity: 98%

Lot #: F2217256

SKU #: **E125328****Analysis: 339413**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.80000 %
Purity(NonaqueousTitration)	97.5-102.5 (%)	99.10 %
Oxygen by Elemental Analysis	18.5-19.9 (%)	19.70 %
Carbon by Elemental Analysis	37.6-39.3 (%)	38.90 %
Melting point	153-157 (°C)	154.20000 °C
Specific Rotation [α] ₂₀ /D(c=0.25 in MeOH)	-143--137 (°)	-142.90 °
Appearance (E125328)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager