

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2021-10-26 17:17:24
Date of Next Testing: 2023-10-26 17:17:24
Product Name: **Emtricitabine**
CAS Number: 143491-57-0
Specifications & Purity: 98%
Lot #: J2122499
SKU #: **E125328**
Analysis: 045921
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.89000 %
Purity(NonaqueousTitration)	97.5-102.5 (%)	99.95 %
Oxygen by Elemental Analysis	18.5-19.9 (%)	19.90 %
Carbon by Elemental Analysis	37.6-39.3 (%)	38.95 %
Melting point	153-157 (°C)	154.28000 °C
Specific Rotation [α] ₂₀ /D(c=0.25 in MeOH)	-143--137 (°)	-142.99 °
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