

Certificate of Analysis

Date of Testing: 2024-07-16 13:34:45
Date of Next Testing: 2026-07-16 13:34:45
Product Name: **Emtricitabine**
CAS Number: 143491-57-0
Specifications & Purity: Moligand™, ≥98%
Lot #: J22111055
SKU #: **E125328**
Version: **0**
Analysis #: **388486**
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.65000%
Purity(NonaqueousTitration)	97.5-102.5 (%)	99.78%
Oxygen by Elemental Analysis	18.5-19.9 (%)	18.51%
Carbon by Elemental Analysis	37.6-39.3 (%)	38.53%
Melting point	153-157 (°C)	153.50000 °C
Specific Rotation [α] ₂₀ /D(c=0.25 in MeOH)	-143--137 (°)	-142.96 °
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