

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-27 14:21:35

Date of Next Testing: 2026-11-27 14:21:35

Product Name: **Stavudine (d4T)**

CAS Number: 3056-17-5

Specifications & Purity: Moligand™, ≥98%

Lot #: K2422436

SKU #: **S129783**

Version: **1**

Analysis #: **338749**

Storage Temperature: Store at -20°C

| Parameter                                                                           | Limit Values              | Result                    |
|-------------------------------------------------------------------------------------|---------------------------|---------------------------|
| Specific Rotation [α] <sub>20</sub> /D(c=0.69 in H <sub>2</sub> O)                  | -48--44 (°)               | -44.20000 °               |
| Carbon by Elemental Analysis(anhydrous)                                             | 52.8-54.1 (%)             | 53.01000 %                |
| Nitrogen by Elemental Analysis (anhydrous)                                          | 12-13 (%)                 | 12.20000 %                |
| Purity(HPLC)                                                                        | 98-100 (%)                | 98.60000 %                |
| Appearance (S129783)                                                                | White to Off-White Powder | White to Off-White Powder |
| Proton NMR spectrum                                                                 | Conforms to structure     | Conforms to Structure     |
| Solubility in H <sub>2</sub> O , Colorless to Light Yellow Clear 49.00 - 51.00mg/ml | pass                      | Pass                      |



John Su  
QA & QC Manager