

Certificate of Analysis

Date of Testing: 2024-11-05 11:26:03

Date of Next Testing: 2026-11-05 11:26:03

Product Name: **Stavudine (d4T)**

CAS Number: 3056-17-5

Specifications & Purity: $\geq 98\%$

Lot #: J2431625

SKU #: **S129783**

Version: **1**

Analysis #: **338746**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=0.69 \text{ in H}_2\text{O})$	-48--44 (°)	-44.70 °
Carbon by Elemental Analysis(anhydrous)	52.8-54.1 (%)	53.60 %
Nitrogen by Elemental Analysis (anhydrous)	12-13 (%)	12.40 %
Purity(HPLC)	98-100 (%)	99.60000 %
Appearance (S129783)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Light Yellow Clear 49.00 - 51.00mg/ml	pass	Pass



John Su
QA & QC Manager