

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-10 15:33:45
 Date of Next Testing: 2028-12-09 15:33:45
 Product Name: **2'-deoxythymidine-5'-triphosphate (dTTP), trisodium salt, dihydrate**
 CAS Number: 18423-43-3
 Specifications & Purity: $\geq 96\%$
 Lot #: L2410032
 SKU #: **D112858**
 Version: **1**
 Analysis #: **062817**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(UV-Vis)	96.5-106 (%)	99.50000 %
Water by Karl Fischer	0-15 (%)	10.00000 %
Solvent Content	0-5 (%)	3.00000 %
Purity(HPLC)	96-100 (%)	99.55900 %
ICP-Atomic emission(Na)	11-15.4 (%)	11.01000 %
Appearance (D112858)	white powder	White powder
Solubility in H ₂ O , colorless and cler(50mg/0.5ml)	pass	Pass
Proton NMR spectrum(D ₂ O)	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager