

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-02 11:24:48  
Date of Next Testing: 2028-08-01 11:24:48  
Product Name: **N2-Isobutyryl-5'-O-(4,4'-dimethoxytrityl)-2'-deoxyguanosine**  
CAS Number: 68892-41-1  
Specifications & Purity: 99%  
Lot #: G2431252  
SKU #: **I119519**  
Version: **1**  
Analysis #: **391116**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.22600 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in MeOH)	8-9.5 (°)	8.43 °
Water by Karl Fischer	0-1 (%)	0.77 %
Appearance (I119519)	white powder or solid	white powder or solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
LC-MS for identification	Conforms	Conforms



John Su  
QA & QC Manager