

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-14 18:06:09

Date of Next Testing: 2027-08-04 18:06:09

Product Name: **2'-OMe-iBu-G Phosphoramidite**

CAS Number: 150780-67-9

Specifications & Purity: for DNA synthesis, Suitable for molecular biology, ≥98%

Lot #: H2511507

SKU #: **M776846**

Version: **1**

Analysis #: **502274**

Storage Temperature: Protected from light, Store at -20°C, Argon charged

| Parameter                                                                             | Limit Values              | Result                    |
|---------------------------------------------------------------------------------------|---------------------------|---------------------------|
| Purity(HPLC area)                                                                     | 98-100 (%)                | 99.44600 %                |
| Water by Karl Fischer                                                                 | 0-0.3 (%)                 | 0.10000 %                 |
| Residual Solvent by GC-HS                                                             | 0-3 (%)                   | 2.24000 %                 |
| Appearance(M776846)                                                                   | White to off white powder | White to Off White Powder |
| Solution Clarity(0.2 M solution in acetonitrile is free from undissolved particulate) | Pass                      | Pass                      |
| NMR Spectrum 1H                                                                       | Conforms to Structure     | Conforms to Structure     |
| Phosphorus NMR Spectra                                                                | Conforms to Structure     | Conforms to Structure     |



John Su  
QA & QC Manager