

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-20 01:52:24  
 Date of Next Testing: 2026-03-19 01:52:24  
 Product Name: **O-(2-Aminoethyl)-O'-[2-(biotinylamino)ethyl]octaethylene glycol**  
 CAS Number: 960132-48-3  
 Specifications & Purity:  $\geq 95\%$   
 Lot #: C2315895  
 SKU #: **O339674**  
 Version: **1**  
 Analysis #: **171541**  
 Storage Temperature: Protected from light, Store at  $-20^{\circ}\text{C}$ , Argon charged

| Parameter                | Limit Values                             | Result                                   |
|--------------------------|------------------------------------------|------------------------------------------|
| Purity(HPLC area)        | 95-100 (%)                               | 99.69700 %                               |
| Purity( total nitrogen ) | 95-100 (%)                               | 97.91330 %                               |
| NMR Spectrum 1H          | Conforms to Structure                    | Conforms to Structure                    |
| Appearance(O339674)      | White to Faint Yellow Powder or Crystals | White to Faint Yellow Powder or Crystals |



John Su  
QA & QC Manager