

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-12 16:02:16  
 Date of Next Testing: 2027-01-11 16:02:16  
 Product Name: **(+)-Biotinamidohexanoic acid hydrazide**  
 CAS Number: 109276-34-8  
 Specifications & Purity:  $\geq 93\%$   
 Lot #: A2307374  
 SKU #: **B293846**  
 Version: **1**  
 Analysis #: **131114**  
 Storage Temperature: Protected from light, Store at  $-20^{\circ}\text{C}$ , Argon charged, Desiccated

| Parameter           | Limit Values                            | Result                                  |
|---------------------|-----------------------------------------|-----------------------------------------|
| Nitrogen            | 17.17-19.2 (%)                          | 17.66700 %                              |
| Purity(HPLC)        | 93-100 (%)                              | 99.46900 %                              |
| Appearance(B293846) | White to Almost white powder to crystal | White to Almost white powder to crystal |
| Proton NMR spectrum | Conforms to Structure                   | Conforms to Structure                   |



John Su  
QA & QC Manager