

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-04-24 13:12:43  
Date of Next Testing: 2026-04-23 13:12:43  
Product Name: **DL- $\alpha$ -Lipoic Acid-NHS**  
CAS Number: 40846-94-4  
Specifications & Purity: 96%  
Lot #: D2317208  
SKU #: **A339873**  
**Analysis:** **195801**  
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

| Parameter           | Limit Values                                | Result                                      |
|---------------------|---|---|
| Purity(HPLC area)   | 96-100 (%)                                  | 98.27%                                      |
| Melting point       | 91-95 (°C)                                  | 94.90000 °C                                 |
| Appearance(A339873) | White to Yellow to Orange powder to crystal | White to Yellow to Orange powder to crystal |
| NMR Spectrum 1H     | Conforms to Structure                       | Conforms to Structure                       |



John Su  
QA & QC Manager