

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-01-04 16:37:51  
Date of Next Testing: 2026-01-03 16:37:51  
Product Name: **4-[4-(Dimethylamino)phenylazo]benzoic acid N-succinimidyl ester**  
CAS Number: 146998-31-4  
Specifications & Purity:  $\geq 97\%$   
Lot #: C2222311  
SKU #: **D131109**  
Version: **1**  
Analysis #: **311055**  
Storage Temperature: Protected from light, Store at  $-20^{\circ}\text{C}$ , Argon charged

| Parameter                    | Limit Values   | Result   |
|------------------------------|--|--|
| Purity(Nonaqueous Titration) | 96.5-103.5 (%)   | 99.50 %  |
| Purity(HPLC)                 | 97-100 (%)   | 98.82000 %   |
| Appearance (D131109)         | Red to Very Dark Red to Light yellow to Amber to Dark green Crystals or Powder | Red to Very Dark Red to Light yellow to Amber to Dark green Crystals or Powder |
| Proton NMR spectrum          | Conforms to Structure  | Conforms to Structure  |



John Su  
QA & QC Manager