

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-04-13 10:30:20  
 Date of Next Testing: 2027-04-12 10:30:20  
 Product Name: **Octadecylamine**  
 CAS Number: 124-30-1  
 Specifications & Purity:  $\geq 90\%$   
 Lot #: D2307367  
 SKU #: **O108435**  
 Version: **0**  
 Analysis #: **131580**  
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

| Parameter                               | Limit Values                                     | Result                                           |
|-----------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Purity(GC)                              | 90-100 (%)                                       | 93.59200 %                                       |
| Purity(Titration by HClO <sub>4</sub> ) | 89-111 (%)                                       | 99.72000 %                                       |
| Carbon by Elemental Analysis            | 71.4-89 (%)                                      | 79.93500 %                                       |
| Melting point                           | 50-60 (°C)                                       | 55.66000 °C                                      |
| Nitrogen by Elemental Analysis          | 4.6-5.8 (%)                                      | 5.23100 %                                        |
| Appearance (O108435)                    | White Solid                                      | White Solid                                      |
| Solubility(C=5%,CHCl <sub>3</sub> )     | Colorless to Pale Yellow, Clear to Slightly Hazy | Colorless to Pale Yellow, Clear to Slightly Hazy |



John Su  
QA & QC Manager