

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-09 16:34:04  
 Date of Next Testing: 2026-11-08 16:34:04  
 Product Name: **N,N-Dimethyldodecylamine**  
 CAS Number: 112-18-5  
 Specifications & Purity:  $\geq 96\%$ (GC)(T)  
 Lot #: K2202499  
 SKU #: **N159397**  
 Version: **0**  
 Analysis #: **153188**  
 Storage Temperature: Protected from light, Room temperature, Argon charged, Desiccated, Cool

| Parameter                           | Limit Values                     | Result                           |
|-------------------------------------|----------------------------------|----------------------------------|
| Purity(Neutralization titration)    | 95.5-104.5 (%)                   | 101.50000 %                      |
| Purity(GC)                          | 96-100 (%)                       | 98.44800 %                       |
| Density (20°C)                      | 0.788-0.792                      | 0.79000                          |
| Refractive index n <sub>20</sub> /D | 1.435-1.438                      | 1.43620                          |
| Appearance (N159397)                | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Proton NMR spectrum                 | Conforms to Structure            | Conforms to Structure            |



John Su  
QA & QC Manager