

## Certificate of Analysis

Date of Testing: 2024-08-21 16:15:19  
Date of Next Testing: 2028-08-20 16:15:19  
Product Name: **Dibutylamine**  
CAS Number: 111-92-2  
Specifications & Purity: 99%  
Lot #: H2415039  
SKU #: **D111219**  
Version: **1**  
Analysis #: **275069**  
Storage Temperature: Room temperature, Argon charged

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| Refractive index n <sub>20</sub> /D | 1.417-1.419           | 1.42                  |
| Purity(GC)                          | 99-100 (%)            | 99.12 %               |
| Density (20°C)                      | 0.76-0.762            | 0.76                  |
| Appearance (D111219)                | Colorless liquid      | Colorless liquid      |
| Proton NMR spectrum                 | Conforms to structure | Conforms to Structure |



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QA & QC Manager