

## Certificate of Analysis

Date of Testing: 2023-10-08 09:42:53  
Date of Next Testing: 2027-10-07 09:42:53  
Product Name: **Dibutylamine**  
CAS Number: 111-92-2  
Specifications & Purity: 99%  
Lot #: I2321352  
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



John Su  
QA & QC Manager