

## Certificate of Analysis

Date of Testing: 2023-05-23 17:11:00  
Date of Next Testing: 2027-05-22 17:11:00  
Product Name: **Dibutylamine**  
CAS Number: 111-92-2  
Specifications & Purity: 99%  
Lot #: E2322610  
SKU #: **D111219**  
**Analysis:** **125400**  
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 (%)	99.75 %
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