

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-08-12 19:09:30  
Date of Next Testing: 2026-08-11 19:09:30  
Product Name: **Tris(diethylamino)phosphine**  
CAS Number: 2283-11-6  
Specifications & Purity: 97%  
Lot #: H2209731  
SKU #: **T124747**  
**Analysis:** **117535**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	98.40 %
Density (20°C)	0.898-0.903	0.90
Refractive index n <sub>20</sub> /D	1.471-1.475	1.47
Appearance (T124747)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager