

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-10 16:03:57  
Date of Next Testing: 2027-01-09 16:03:57  
Product Name: **Valeric acid**  
CAS Number: 109-52-4  
Specifications & Purity: Moligand™, ≥99%(GC)  
Lot #: A2303647  
SKU #: **V108272**  
Version: **0**  
Analysis #: **165446**  
Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.407-1.411	1.41
Purity (Titration by NaOH)	99-101 (%)	100.58 %
Density (20°C)	0.939-0.942	0.94
Purity(GC)	99-100 (%)	99.40 %
Appearance (V108272)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager