

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-07-21 16:26:54  
 Date of Next Testing: 2030-07-20 16:26:54  
 Product Name: **Valeric acid**  
 CAS Number: 109-52-4  
 Specifications & Purity: Moligand™, ≥99%(GC)  
 Lot #: G2614295  
 SKU #: **V108272**  
 Version: **0**  
 Analysis #: **740712**  
 Storage Temperature: Room temperature, Desiccated

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| Refractive index n <sub>20</sub> /D | 1.407-1.411           | 1.40840               |
| Purity (Titration by NaOH)          | 99-101 (%)            | 100.63000 %           |
| Density (20°C)                      | 0.939-0.942           | 0.94000               |
| Purity(GC)                          | 99-100 (%)            | 99.20500 %            |
| Appearance (V108272)                | Colorless liquid      | Colorless liquid      |
| Infrared spectrum                   | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager