

## Certificate of Analysis

Date of Testing: 2024-04-10 11:04:59  
Date of Next Testing: 2028-04-09 11:04:59  
Product Name: **Valeric acid**  
CAS Number: 109-52-4  
Specifications & Purity: >99% (GC)  
Lot #: D2407494  
SKU #: **V108272**  
**Analysis:** **337344**  
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 (%)	99.90%
Density (20°C)	0.939-0.942	0.94
Purity(GC)	99-100 (%)	99.77%
Appearance (V108272)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager