

## Certificate of Analysis

Date of Testing: 2024-07-02 17:11:41  
Date of Next Testing: 2026-06-22 17:11:41  
Product Name: **Valeric acid**  
CAS Number: 109-52-4  
Specifications & Purity: analytical standard  
Lot #: J2226769  
SKU #: **V108271**  
Version: **0**  
Analysis #: **379416**  
Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Purity(GC)	99.5-100 (%)	99.65 %
Density (20°C)	0.939-0.942	0.94
Refractive index n <sub>20</sub> /D	1.407-1.411	1.41
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager