

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-04-18 16:26:10  
Date of Next Testing: 2026-04-08 16:26:10  
Product Name: **Pyruvic acid**  
CAS Number: 127-17-3  
Specifications & Purity: 98%(T)  
Lot #: D2415104  
SKU #: **P104138**  
**Analysis:** **339754**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.267-1.275	1.27
Water by Karl Fischer	0-1.5 (%)	1.34 %
Purity (Titration by NaOH)	97.5-102.5 (%)	99.21 %
Refractive index n <sub>20</sub> /D	1.425-1.43	1.43
Sulfate Ash	0-0.01 (%)	0.00 %
Purity(GC)	96-100 (%)	98.41 %
Appearance (P104138)	Colorless to Light Yellow or Yellow-Green	Colorless to Light Yellow or Yellow-Green
Infrared spectrum	Liquid Conforms to Structure	Liquid Conforms to Structure



John Su  
QA & QC Manager