

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-14 10:07:25  
Date of Next Testing: 2027-08-04 10:07:25  
Product Name: **Pyruvic acid**  
CAS Number: 127-17-3  
Specifications & Purity:  $\geq 98\%$ (T)  
Lot #: H2506496  
SKU #: **P104138**  
Version: **1**  
Analysis #: **537199**  
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 (%)	1.07 %
Purity (Titration by NaOH)	97.5-102.5 (%)	98.18 %
Refractive index n <sub>20</sub> /D	1.425-1.43	1.43
Purity(GC)	96-100 (%)	98.58 %
Appearance (P104138)	Colorless to Light Yellow or Yellow-Green Liquid	Colorless to Light Yellow or Yellow-Green Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager