

## Certificate of Analysis

Date of Testing: 2023-12-27 11:01:51  
Date of Next Testing: 2027-12-26 11:01:51  
Product Name: **Propionic acid**  
CAS Number: 79-09-4  
Specifications & Purity:  $\geq 99\%$  (GC)  
Lot #: L2321386  
SKU #: **P110445**  
Analysis: **309232**

Parameter	Limit Values	Result
Refractive index n <sub>20/D</sub>	1.385-1.388	1.39
Purity(Neutralization titration)	98.5-101.5 (%)	99.82 %
Density (20°C)	0.994-0.998	0.99
Purity(GC)	99-100 (%)	99.82 %
Appearance (P110445)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager