

## Certificate of Analysis

Date of Testing: 2023-08-01 17:51:15  
Date of Next Testing: 2025-07-21 17:51:15  
Product Name: **Propionic acid**  
CAS Number: 79-09-4  
Specifications & Purity: Analytical Reagent, ≥99.5%(GC)  
Lot #: G2327253  
SKU #: **P110444**  
**Analysis: 254057**

Parameter	Limit Values	Result
Purity(GC)	99.5-100 (%)	99.82 %
Chloride (Cl-)	0-0.0005 (%)	0.00 %
Heavy metal (as Pb)	0-0.0005 (%)	0.00 %
Iron(Fe)	0-0.0005 (%)	0.00 %
Water by Karl Fischer	0-0.25 (%)	0.04 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.05 %
Refractive index n <sub>20</sub> /D	1.385-1.388	1.39
Density (20°C)	0.994-0.998	0.99
Appearance (P110444)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager