

## Certificate of Analysis

Date of Testing: 2022-03-11 17:23:43  
Date of Next Testing: 2026-03-10 17:23:43  
Product Name: **Propionic acid**  
CAS Number: 79-09-4  
Specifications & Purity: ACS reagent, ≥99.5%  
Lot #: C2209519  
SKU #: **P110447**  
Analysis: **082413**

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Reducing Substances	0-0.1 (%)	0.05 %
Purity (Titration by NaOH)	99.5-100.5 (%)	99.90 %
Water by Karl Fischer	0-0.15 (%)	0.01 %
Refractive index n <sub>20</sub> /D	1.385-1.388	1.39
Ignition Residue	0-0.01 (%)	0.01 %
Carbonyl compounds	0-0.002 (%)	0.00 %
Appearance (P110447)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager