

## Certificate of Analysis

Date of Testing: 2024-04-07 11:20:06  
Date of Next Testing: 2026-03-28 11:20:06  
Product Name: **Propionic acid**  
CAS Number: 79-09-4  
Specifications & Purity: Analytical Reagent, ≥99.5%(GC)  
Lot #: C2428226  
SKU #: **P110444**  
Analysis: **335151**

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| Heavy metal (as Pb)                 | 0-0.0005 (%)          | 0.00 %                |
| Water by Karl Fischer               | 0-0.25 (%)            | 0.03 %                |
| Purity(GC)                          | 99.5-100 (%)          | 99.81 %               |
| Density (20°C)                      | 0.994-0.998           | 0.99                  |
| Ignition Residue (as sulfate)       | 0-0.1 (%)             | 0.10 %                |
| Chloride (Cl-)                      | 0-0.0005 (%)          | 0.00 %                |
| Refractive index n <sub>20</sub> /D | 1.385-1.388           | 1.39                  |
| Iron(Fe)                            | 0-0.0005 (%)          | 0.00 %                |
| Appearance (P110444)                | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                   | Conforms to Structure | Conforms to Structure |



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