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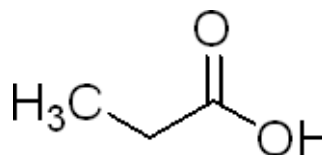
Email USA: techserv@sial.com

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Product Specification

Product Name:
Propionic acid - ≥99.5%, FCC, FG

Product Number: W292400
CAS Number: 79-09-4
MDL: MFCD00002756
Formula: C3H6O2
Formula Weight: 74.08 g/mol



TEST	Specification
Appearance (Color)	Colorless
Appearance (Form)	Liquid
Refractive index at 20 ° C	1.384 - 1.388
Boiling Point by DSC	138.5 - 142.5 °C
Infrared spectrum	Conforms to Structure
Purity (Titration by NaOH)	99.5 - 100.5 %
Aldehyde	Pass
Water (by Karl Fischer)	≤ 0.15 %
Residue on Evaporation	≤ 0.01 %
Specific Gravity	0.993 - 0.997
Miscellaneous Assay (Passes Oxidizable Substance Test)	Pass
Trace Metals (As Lead)	≤ 2.0 ppm
Arsenic (As)	≤ 3 ppm
Cadmium (Cd)	≤ 1 ppm
Mercury (Hg)	≤ 1 ppm
Expiration Date Period 5 Years	-----

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.