

Specification

Technical Data Sheet

CAS

79-09-4

STORAGE

Ambient

MOLECULAR WEIGHT

74.08

PRODUCT

Propionic acid - USP specification

Product number	90034475
CAS number	79-09-4
Molecular formula	CH ₃ CH ₂ COOH
Molecular weight	74.08 g/mol

PARAMETER

SPECIFICATION

Appearance	Clear colourless liquid
Acid Value (mg KOH/g)	320 - 329mgKOH/g
Distillation Range	138.5 - 142.5°C
Endotoxin Concentration (EU/mL)	<5 EU/mL
Heavy Metals (Pb)	≤ 0.001%
Identification (RAMAN)	Conforms to Reference
Moisture	≤ 0.5%
Natural Degree (C14 Test)	98 ± 3%
Readily Oxidizable Substances	Complies with specifications
Residue on Evaporation	≤ 0.01%
Solubility	Soluble in water, ethanol, ethyl ether and propylene glycol.
Specific Gravity	0.988 - 0.993
Specification	Complies with USP, FCC, BP specifications
Arsenic (As)	≤ 0.0003%
Assay (Anhydrous)	99.5 - 100.5%
Identification (IR)	Conforms to Reference

PARAMETER	SPECIFICATION
Limit of Aldehydes	Complies with specifications
Limit of Non-volatile Residue	≤ 0.01%
Production Date	DD/MM/YYYY
Refractive Index (20°C)	1.383 - 1.385

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.
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