

Propionic Acid

Clear, colorless liquid with pungent odor

Product Description

Used as preservative in food and feed, and as chemical intermediate.

Certificate of Analysis

HSN Code: 2915.30

CAS Number: 79-09-4

Classification: Hazardous

Parameter	Specification	Test Method
Assay (Purity as C ₃ H ₇ CO ₂ H)	Min 99.5%	GC / Titration
Water Content	Max 0.5%	Karl Fischer / Gravimetric
Acidity (as H ₂ SO ₄)	Passes test	Titration
Boiling Point	141 - 142 °C	ASTM D1078
Density @ 25°C	0.992 - 0.998 g/cm ³	ASTM D4052
Refractive Index @ 20°C	1.386 - 1.390	ASTM D1218
Appearance	Clear, colorless liquid with pungent odor	Visual
Solubility	Miscible with water, ethanol, and ether	Visual/Physical
pH (1% solution)	2.5 – 3.0	pH meter

Physical Properties

Appearance: Clear, colorless liquid with pungent odor

Solubility: Miscible with water, ethanol, and ether

Packing: 200 kg HDPE drums; 250 kg MS drums; 1000 kg IBC tanks; Bulk tankers (for large-scale industrial use)

Storage: Store in a cool, dry, and well-ventilated area; Keep away from heat, sparks, open flames, and strong oxidizers; U

Safety & Handling

PPE: Chemical-resistant gloves, goggles, face protection

Hazards:

- Flammable
- Skin corrosion
- Eye damage