

Acetic Acid Glacial

CAS 64-19-7 · CH_3COOH · 99.8% min

Velora Chemicals Private Limited
Ahmedabad, Gujarat, India
+91 99255 22674 · info@velorachemicals.com

1. Product identity

Product name	Acetic Acid Glacial
Synonyms	glacial acetic acid, GAA chemical, GAA 99.8
C.A.S. number	64-19-7
Molecular formula	CH_3COOH
Molecular weight	60.05 g/mol
Grade supplied against	99.8% min
Appearance	Clear, colourless liquid with a strong pungent vinegar-like odour; forms colourless ice-like crystals below about 16.6 C, which is the origin of the name 'glacial'
Product group	Mineral & Organic Acids
HSN code	2915 21 00
Country of origin	As stated on the producer's documents for the lot supplied; confirmed at offer stage
Packing	ISO tank · 210 kg drum
Storage	Store in a fireproof, well-ventilated store approved for flammable liquids, separated from food and feedstuffs, strong oxidisers, strong acids and strong bases (ILO ICSC 0363). Keep away from all ignition sources; earth and bond containers and equipment during transfer, as the vapour is heavier than air and can travel to a remote ignition source. Use 304/316 stainless steel, glass or compatible plastics; avoid ordinary carbon steel and unsuitable elastomers. Keep containers tightly closed and protected from sunlight. Note that the product solidifies below about 16 C, so drums may need a warm store or gentle warming — never heat with a direct flame or a hot plate.

2. Analytical specification

S. No.	Test parameter	Specification	Method
1	Description	Clear, colourless liquid with a strong pungent vinegar-like odour; forms colourless ice-like crystals below about 16.6 C, which is the origin of the name 'glacial'	Visual
2	Identification	Conforms to the substance supplied	Instrumental or chemical test, per method agreed
3	Assay / grade	99.8% min	Titrimetry or instrumental, per method agreed
4	Physical state	Liquid above about 16.6 C; crystalline solid below that	Visual
5	Solubility in water	Miscible with water in all proportions	Per the test method agreed

S. No.	Test parameter	Specification	Method
6	pH	2.4 (dilute aqueous solution — neofroxx SDS). pH is not a meaningful parameter for the essentially anhydrous glacial acid itself	Potentiometry on an aqueous suspension
7	Relative density	1.05 g/cm ³ at 20 C (ILO ICSC 0363; neofroxx gives 1.04 g/cm ³)	Pyknometry or gas displacement
8	Melting / freezing point	16.6 C (ILO ICSC 0363 gives 16.7 C; neofroxx SDS gives 16.64 C)	Thermal analysis
9	Boiling point	118 C (ILO ICSC 0363; neofroxx gives 117.9 C)	Distillation range
10	Flash point	39 C (closed cup) — ILO ICSC 0363 and neofroxx SDS. Explosive limits 6.0-17 vol% in air; auto-ignition 485 C (ILO ICSC 0363)	Closed cup
11	Additional parameters	To the specification agreed before order	As agreed

3. Transport classification

UN 2789 · Class 8 (3) — Class 8 corrosive with a Class 3 flammable-liquid subsidiary hazard · Packing group II

Proper shipping name: ACETIC ACID, GLACIAL

What this document is. This is a product specification sheet. It states the grade this material is supplied against, its packing and its identity. **It is not a certificate of analysis, it carries no test results, and it certifies no batch.** Tested values for the consignment actually loaded appear on the batch certificate of analysis issued against that batch, which travels with the despatch documents. Identity and physical data are drawn from PubChem, the ECHA CLP inventory and ILO safety cards; the producer's documents for the grade quoted govern. Velora Chemicals Private Limited is a bulk supplier and trader, not a manufacturer.