Arena Petro Gas

Producer and Supplier in the fields of Chemical ,Oil ,Gas and Petrochemical industries

DATE: 2024-2025
Arena Code: AS10405/FNPC-ACTIC ACID

Technical Data Sheet

Acetic Acid

Acetic acid or ethanoic acid is one of the simplest carboxylic acids with a strong, sour, and pungent smell.

Applications:

It is commonly known in every household as the key ingredient of vinegar. It is, however, also an important feedstock used in the manufacturing process of various other industrial chemicals, ranging from synthetic polymers to esters. Acetic acid is used during the manufacturing process of several products such as dyestuffs, perfumes, synthetic fibers, textiles, inks, dyes, soft drink bottles, rubbers, plastics, pesticides, wood glues, photographic films, etc.

Moreover, acetic acid is also used as a food additive and solvent for many industrial processes, but its largest end-user is the vinyl acetate monomer (VAM)manufacturing industry which accounts for around a third of the total global consumption.

Other segments with high consumption of acetic acid include; purified terephthalic acid, acetic anhydride, ethyl acetate, and butyl acetate manufacturing industries.

TEST	METHOD	RESULT	LIMIT(SPEC)
Appearance	MAP-SM111	Clear; free from matter in suspension	Clear; free from matterin suspension
Purity (WT %)	MAP-70014	Greater than 99.85	Min 99.85
Water (WT %)	ASTM-D1364	LESS THAN 0.15	Max 0.15
Formic ACID (WT %)	ASTM-D3546	LESS THAN 0.050	Max 0.050
Density@20°CKg/lit	ASTM-D1298	1.048-1.051	1.048-1.051
Acetaldehyde (WT %)	ASTM-D2191	LESS THAN 0.02	Max 0.02
Permanganate Time@20C, hours	MAP-70019	Greater than 2 hours	Minimum 2 hours
Crystallization point	ASTM-D 1493	Greater than 16.35 °C	16.35 °C Min
Sulphates (as SO4)	MAP-70021	LESS THAN 1PPM	Max 1ppm
Chloride(as CL)	MAP-70020	LESS THAN 1PPM	Max 1ppm
Total Iron(ppm)	ASTM-E394	LESS THAN 1.0	Max 1.0
Propionic Acid (WT %)	M602.515	LESS THAN 0.010	Max 0.010
Non volatile matter(WT%)	ASTM-D1353	LESS THAN 0.003	Max 0.003
Heavy metals(as Pb)	Determination by Atomic Absorption	LESS THAN 0.5	Max 0.5ppm
Color(APHA)	ASTM-D1209	BELOW 10 APHA	Max 10APHA

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