

Sorbic Acid

Sorbic acid preservative ingredient for permitted food, beverage and other formulation uses.

CAS 110-44-1	EC 203-768-7	Transport Not regulated · ADR/IMDG/IATA
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Product Information

Sorbic acid is an unsaturated organic acid used as a preservative ingredient. Its suitability depends on the finished product, pH, solubility and permitted use in the destination market. The listed grade controls assay, water, residue on ignition and selected trace elements. It should be distinguished from potassium sorbate, which is a separate salt with different handling and dissolution behavior. Assess the complete formulation and preservation performance rather than choosing a use level from the raw-material assay. Regulatory or pharmacopoeial compliance requires the relevant agreed specification and documentation.

Arsenic ≤0.0002% is listed only in one specification column of the supplied sheet; include it in the agreed purchase grade when required. Historical standards named in the sheet are not presented as current certification. Water is retained as water content, not loss on drying.

Specifications

Parameter	Specification
Appearance	White crystalline powder
Assay	99.0–101.0 %
Residue on ignition	≤0.2 %
Heavy metals, as Pb	≤0.001 %
Arsenic, where specified	≤0.0002 %
Water	≤0.5 %

Typical Properties

Property	Typical Value
Molecular formula (component)	C ₆ H ₈ O ₂
Molecular weight (component)	112.13 g/mol

Applications

Food and beverage preservation: Evaluate sorbic acid in food or beverage categories where it is permitted.

Preservative premixes: Use the crystal powder in appropriately designed preservative premixes.

Industrial formulation assessment: Discuss permitted preservation applications outside food with the intended use and destination.

Packaging / Storage

Item	Information
Packaging	25 kg kraft paper bags with polyethylene liners.
Storage	Store sealed in a cool, dry, ventilated place, protected from moisture, heat and incompatible oxidizers.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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