

Methylparaben

Paraben ester raw material for permitted preservation formulations and controlled chemical processing.

CAS 99-76-3	EC 202-785-7	Transport Class 9 · UN 3077 · PG III
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Product Information

Methylparaben is the methyl ester of 4-hydroxybenzoic acid. The crystalline grade specifies assay, melting range, acidity, drying loss and selected residues. Its formulation behavior depends on solubility, pH and interactions with other preservatives or ingredients. Applicable concentration limits and allowed uses vary by market and product type. The legacy document cites older pharmacopoeial editions; this page does not claim compliance with a current edition without supporting documentation. Finished-product preservation performance must be assessed separately.

Specifications

Parameter	Specification
Appearance	White crystalline powder
Assay	99.0–101.0 %
Solution clarity	Clear
Melting range	125–128 °C
Acidity	≤0.1 mg/g
Loss on drying	≤0.5 %
Sulfated ash	≤0.1 %
Residue on ignition	≤0.1 %
Heavy metals	≤10 ppm

Typical Properties

Property	Typical Value
Molecular formula (component)	C ₈ H ₈ O ₃
Molecular weight (component)	152.15 g/mol

Applications

Personal-care preservation: Evaluate methylparaben in permitted personal-care preservation systems.

Formulation development: Use the crystalline ester in compatible formulation trials where methylparaben is specified.

Chemical processing: Assess the grade for processes requiring methyl 4-hydroxybenzoate.

Packaging / Storage

Item	Information
Packaging	10 kg or 25 kg cardboard drums; cartons containing 20 × 1 kg packs.
Storage	Store sealed in a dry, ventilated area, protected from water and strong oxidizers.

Company Contact

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