

Barium Chloride Dihydrate

Water-soluble barium salt supplied as the dihydrate for controlled industrial and chemical processing.

CAS 10326-27-9	EC 233-788-1	Transport Class 6.1 · UN 1564 · PG III
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Product Information

Barium chloride dihydrate contains two waters of crystallization and must be distinguished from anhydrous barium chloride. The supplied crystal grade controls calcium, sodium, sulfide, iron and insoluble matter. These limits help assess suitability for solution preparation and precipitation processes. Soluble barium salts are toxic; containment, exposure control and segregated waste treatment are required. Molecular weight on this page refers to the dihydrate, while the EC identifier represents the barium chloride substance entry.

Specifications

Parameter	Specification
Appearance	Colorless crystals
Assay	≥99.0 %
Calcium	≤0.036 %
Sodium	≤0.20 %
Sulfide	≤0.003 %
Iron	≤0.001 %
Water-insoluble matter	≤0.05 %

Typical Properties

Property	Typical Value
Molecular formula (component)	BaCl ₂ ·2H ₂ O
Molecular weight (component)	244.26 g/mol

Applications

Industrial solution preparation: Prepare barium chloride solutions only in controlled processes with suitable exposure protection.

Precipitation processes: Evaluate the soluble barium salt for permitted precipitation or sulfate-control processes.

Chemical processing: Assess the grade as an industrial chemical feedstock where barium chloride is specified.

Packaging / Storage

Item	Information
Packaging	25 kg or 50 kg polypropylene bags with polyethylene liners.
Storage	Keep closed in a dry, ventilated, secured area, away from incompatible acids, oxidizers, food and feed.

Company Contact

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