

Calcium Bromide

Water-soluble calcium bromide crystal grade for industrial brine and bromide formulations.

CAS 7789-41-5	EC 232-164-6	Transport Not regulated · ADR/IMDG/IATA
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Product Information

Calcium bromide is a hygroscopic inorganic bromide salt. The supplied crystal grade differs from ready-made calcium bromide brine and should not be described as a liquid solution. Assay, chloride and sulfate limits are used to assess suitability for subsequent dissolution. The pH specification applies at 50 g/L, rather than to the neat solid. Brine density and compatibility depend on the concentration and other salts selected by the formulator. Eye protection is required during handling and solution preparation.

Specifications

Parameter	Specification
Appearance	Colorless crystals
Assay	≥96.0 %
Chloride	≤0.5 %
Sulfate	≤0.05 %
pH, 50 g/L solution	6.5–9.5

Typical Properties

Property	Typical Value
Molecular formula (component)	CaBr ₂
Molecular weight (component)	199.89 g/mol

Applications

Completion-brine preparation: Evaluate the crystal grade as a raw material for appropriate completion or workover brines.

Industrial bromide solutions: Prepare solutions using a controlled dissolution procedure with suitable eye protection.

Chemical processing: Use as a calcium and bromide source in compatible industrial processes.

Packaging / Storage

Item	Information
Packaging	Fiber drums with plastic liners or polypropylene bags; net weight confirmed on quotation.
Storage	Keep tightly closed in a dry, cool area, protected from moisture and separated from strong acids and oxidizers.

Company Contact

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