

BRINERS CHOICE™

Anhydrous Calcium Chloride Pellets



Description

BRINERS CHOICE™ Anhydrous Calcium Chloride Pellets are manufactured according to the U.S. Food and Drug Administration's (FDA's) Good Manufacturing Practice (GMP) requirements. This product is intended for use in solution form. After dissolution in potable water and filtering or settling to remove insoluble residue, solutions made from BRINERS CHOICE™ will meet or exceed the current edition of the Food Chemicals Codex (FCC) monograph for aqueous solutions of calcium chloride. BRINERS CHOICE™ is Kosher certified and Halal compliant.

Properties⁽¹⁾

Physical state	Solid pellets
Color	White
Odor	Odorless
Hygroscopic	Yes
Assay, % by weight	
Calcium chloride	94.5%
Potassium chloride	2.5%
Sodium chloride	1.6%
Calcium bromide	0.9%
Water	0.5%
FCC requirements for calcium chloride solutions	
Fluoride	<0.004%
Lead	<4 mg/kg
Magnesium and alkali salts	<5.0%
Alkalinity	<0.3%

(1) These data are laboratory results typical of the product, and should not be confused with or regarded as specifications.

Applications

Solutions made from BRINERS CHOICE™ may be used in pre- and post-harvest treatments of fruits and vegetables to maintain firmness, reduce decay and prevent certain diseases. Frozen food applications may use BRINERS CHOICE™ calcium chloride solutions as a secondary refrigerant or immersion freezing fluid. BRINERS CHOICE™ pellets may also be used as a deicer in and around freezers, lockers and storage areas.

Nutritional Summary⁽¹⁾

Based on 100-g sample

Ash	99 g	Magnesium	<10 mg
Calcium	34 g	Moisture	<1 g
Caloric Value	0 cal	Potassium	1290 mg
Carbohydrates	0 g	Protein	0 g
Fat	0 g	Sodium	650 mg
Fiber	0 g		

(1) All "non-zero" values are based on internal laboratory analysis. All "zero" values are estimates based on process knowledge and chemical structure.



Sales Specification and Certificate of Analysis

The sales specification for BRINERS CHOICE™ contains all of the specification items listed in FCC for calcium chloride solution, plus two requirements governing pellet size and one governing water-insoluble residue. Two monograph specification items with a long history of levels at or below detection limits (fluoride and lead) are audited once per production campaign. Every lot is analyzed for the remaining specification items. A Certificate of Analysis (COA) is provided with every product shipment, containing the test results for all specification items.

Product Quality Management

BRINERS CHOICE™ is manufactured in OxyChem facilities, and transported by rail for packaging by a contract packager. Both facilities are located in Ludington, Mich., and use rigorous quality-control procedures to ensure outstanding product quality and application reliability. Good Manufacturing Practice (GMP) principles are applied by OxyChem and its contract packager during all manufacturing and handling steps for BRINERS CHOICE™. Facilities associated with the manufacture and packaging of OxyChem food grade calcium chloride products undergo an annual audit of Good Manufacturing Practices and Food Safety Systems conducted by a reputable, independent auditor.

Regulatory Information

This product, when used unmodified, will comply with the U.S. FDA Food Additive Regulations 21 CFR 184.1193 and 21 CFR 582.1193. These regulations affirm that the product is Generally Recognized As Safe (GRAS) for use in human foods. The uses above are subject to the GMP requirements and any limitations that are part of the regulations. The regulations should be consulted for complete details.

Availability

BRINERS CHOICE™ is available in 50-lb plastic bags and 2000 lb FIBCs.

Storage

Solid calcium chloride is both hygroscopic and deliquescent. This means that the product can absorb moisture from the air, even to the point of converting to liquid brine. For this reason, solid calcium chloride should be protected from excessive exposure to moisture to maintain product quality while in storage. Store in a dry area. Opened packages should be tightly resealed after each use.

For full safety and handling details, refer to the current Safety Data Sheet (SDS) for this product, available at www.OxyCalciumChloride.com.

For more information or to find an authorized distributor of OxyChem's calcium chloride products, please call or visit our website.

(888) 293-2336

www.OxyCalciumChloride.com

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