

Description

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

This purified inorganic salt is produced by removing water from a naturally occurring brine solution. The National Organic Standards Board classified the brine process as "non-synthetic" since it does not involve reactions with chemicals such as hydrochloric acid or ammonia.

Application

Solutions made from BRINERS CHOICE are Generally Recognized as Safe (GRAS) for certain uses in human foods (21 CFR 184.1193). Such solutions are also USDA-approved for certain uses in the production of meat and poultry products (9 CFR 424.21(c)) and may also be used in pre-harvest foliar crop sprays as a calcium supplement.

To create a solution by mixing this product with water, refer to the [Making Solutions Calculator](#) found on our website.

Storage and Shelf Life

Store in a dry area, and tightly reseal after each use. To maintain product quality while in storage, solid calcium chloride must be protected from moisture. If the product is on a pallet covered by an intact plastic shroud, it can be stored outdoors on a well-drained surface. If the shroud is torn, pierced, or removed, then the palletized product should be stored indoors or under a waterproof covering.

When properly stored to protect from moisture contact, the expected shelf life for all calcium chloride packaged products is 36 months from the date of manufacture. Calcium chloride does not degrade or deteriorate; however, the shelf life is limited based on the potential for moisture intrusion into the product. Moisture will cause a decrease in overall calcium chloride assay and may cause product clumping. Solid calcium chloride absorbs moisture from the air (i.e., is hygroscopic), even to the point of converting to liquid brine (i.e., is deliquescent).

For more detailed information see our [Calcium Chloride Handbook](#).

Typical Properties⁽¹⁾

Characteristic	Value
Assay	
Calcium chloride	94.5%
Potassium chloride	2.5%
Sodium chloride	1.6%
Calcium bromide	0.9%
Water	0.5%
FCC requirements	
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. All percentages are percent by weight.

Sales Specification and Certificate of Analysis

The sales specification for BRINERS CHOICE contains the specification items listed in the FCC for calcium chloride solution, plus two requirements governing pellet size and one governing water insoluble residue. A Certificate of Analysis (COA) is provided with every product shipment.

Product Quality Management

BRINERS CHOICE is manufactured by OxyChem using rigorous quality-control procedures and cGMP principles to ensure outstanding product quality. OxyChem's food grade calcium chloride products are SQF Food Safety Code certified.

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.

For more information like safety data sheets (SDS), package options, calculation tools, etc., or to find an authorized distributor of OxyChem's calcium chloride products, please call or visit our website.

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