

LIQUIDOW™ Food Grade

Calcium Chloride



Description

LIQUIDOW™ Food Grade Calcium Chloride is a purified calcium chloride solution intended for direct addition to food products. This product is manufactured to meet or exceed the current edition of the Food Chemicals Codex (FCC) monograph for calcium chloride solutions and to comply with the U.S. Food and Drug Administration's (FDA's) Good Manufacturing Practice (GMP) requirements. LIQUIDOW™ Food Grade Calcium Chloride is Kosher certified and Halal compliant.

Properties⁽¹⁾

| | |
|---|-----------|
| Physical state | Liquid |
| Color | Colorless |
| Odor | Odorless |
| Assay, % by weight | |
| Calcium chloride | 32.5% |
| Potassium chloride | 0.8% |
| Sodium chloride | 0.5% |
| Calcium bromide | 0.3% |
| 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

LIQUIDOW™ Food Grade Calcium Chloride may be used in a variety of direct food additive applications, including fruit and vegetable canning and dairy foods processing. It may also be used in indirect food applications, such as a low-temperature heat-transfer fluid in the brewing, dairy and ice cream industries.

Nutritional Summary⁽¹⁾

Based on 100-g sample

| | | | |
|---------------|-------|-----------|--------|
| Ash | 33 g | Magnesium | <5 mg |
| Calcium | 12 g | Moisture | 67 g |
| Caloric Value | 0 cal | Potassium | 412 mg |
| Carbohydrates | 0 g | Protein | 0 g |
| Fat | 0 g | Sodium | 226 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 LIQUIDOW™ Food Grade Calcium Chloride contains all original specification items listed in FCC, plus an additional OxyChem-specific test item. The complete set of monograph specification items is analyzed on every lot. A Certificate of Analysis (COA) is provided for every product shipment, containing the test results for all FCC items.

Product Quality Management

LIQUIDOW™ Food Grade Calcium Chloride is manufactured in OxyChem facilities in Ludington, Mich., using rigorous quality-control procedures to help ensure outstanding product quality and application reliability. Good Manufacturing Practice (GMP) principles are applied by OxyChem during all manufacturing and handling steps of LIQUIDOW™ Food Grade Calcium Chloride. Facilities associated with the manufacture 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

LIQUIDOW™ Food Grade Calcium Chloride is available in bulk tank car and tank truck shipments.

Storage

LIQUIDOW™ Food Grade Calcium Chloride should be stored in a food grade non-metallic or epoxy-lined vessel that protects the product from absorption of significant amounts of atmospheric moisture.

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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