

KRYSTAR® 300 Crystalline Fructose

1510010490400, 1510010430422, 1510010424520, 1510010415021,
1510010412320, 1510010410424, 15100104

Product Description : Sweetener

Appearance: Crystalline

Color: White

Odor: None

Solubility Statement: Soluble In Water

Quality Inspection Plan (Official Specification Values)

| Parameter | Target | Range/ Attribute | Unit | Method |
|--------------------|--------|---------------------|-------|-----------------------------------|
| MOISTURE | | <= 0.05 | % | Moisture - TN46040 |
| DENSITY | | 0.80 - 0.88 | g/cm3 | Bulk Density - TN24550 |
| SCREEN ON US#20 | | <= 0.30 | % | Screen Size - TN69400 |
| SCREEN ON US#30 | | <= 1.00 | % | Screen Size - TN69400 |
| SCREEN ON US#40 | | <= 20.00 | % | Screen Size - TN69400 |
| SCREEN ON US#60 | | 45.00 - 75.00 | % | Screen Size - TN69400 |
| SCREEN THRU US#100 | | <= 8.00 | % | Screen Size - TN69400 |
| COLOR, RBU | | <= 30.0 | RBU | Color - TN22720 |
| DEXTROSE | | <= 0.50 | % | Saccharide Distribution - TN67395 |
| FRUCTOSE | | >= 99.50 | % | Saccharide Distribution - TN67395 |
| ODOR | | Pass | | Odor - TN52550 |
| FLAVOR | | Pass | | Flavor - TN31050 |
| BACTERIA TOTAL | | <= 200 | CFU/g | Total Plate Count - TN10560 |
| OSMOPHILIC MOLD | | <= 10 | CFU/g | Osmophilic Mold & Yeast - TN10525 |
| OSMOPHILIC YEAST | | <= 10 | CFU/g | Osmophilic Mold & Yeast - TN10525 |
| SO2 | | <= 9.0 | ppm | Sulfur Dioxide - TN80055 |
| HMF | | <= 50.0 | ppm | HMF - TN39948 |
| ASH | | <= 0.025 | % | Ash - TN09580 |
| CHLORIDE | | <= 180.0 | ppm | Chloride - TN19005 |
| ARSENIC | | <= 1.0 | ppm | ARSENIC - TN09026 |

| | | | | |
|--------------|--|----------|-----|------------------------|
| SULFATE | | <= 250.0 | ppm | Sulfate - TN79300 |
| HEAVY METALS | | <= 5.0 | ppm | Heavy Metals - TN38540 |
| LEAD | | <= 0.10 | ppm | Lead - TN44290 |

Product Composition / Labeling

Fructose

Regulatory Status

Compliance Statement:

- Complies with FDA regulation 21CFR182.1 as Fructose - Generally recognized as safe.

21 CFR References: 21CFR 182.1

Country of Origin

Country of Manufacture: United States

Kosher Status

Certified Kosher: Yes

Certified Kosher for Passover: No

The above-mentioned ingredient or its components is certified Kosher by:

- Orthodox Union (OU)

Halal Status

Certified Halal: Yes

Vegetarian Status

Vegetarian: Suitable

Vegan: Suitable

Ovo-Vegetarian: Suitable

Lacto-Vegetarian: Suitable

Lacto-Ovo-Vegetarian: Suitable

Presence of Allergens

If present in this Tate & Lyle ingredient, allergens will be denoted as "Present" in the table below.

| Allergen | Status |
|------------------------|--------|
| Crustacean & Shellfish | Absent |
| Mollusk | Absent |

| | |
|--|--------|
| Fish | Absent |
| Egg | Absent |
| Milk (including Lactose) | Absent |
| Peanut & Oils | Absent |
| Soybean & Oils | Absent |
| Gluten Containing: Wheat, Rye, Barley, Oats, Spelt, Kamut, Triticale | Absent |
| Seeds, Sesame & Oils | Absent |
| Celery/Celeriac | Absent |
| Mustard | Absent |
| Lupin | Absent |
| Tree Nuts, Almond | Absent |
| Tree Nuts, Brazil | Absent |
| Tree Nuts, Cashew | Absent |
| Tree Nuts, Chestnut | Absent |
| Tree Nuts, Coconut and Oils | Absent |
| Tree Nuts, Hazelnut / Filbert | Absent |
| Tree Nuts, Hickory | Absent |
| Tree Nuts, Macadamia | Absent |
| Tree Nuts, Pine | Absent |
| Tree Nuts, Pistachio | Absent |
| Tree Nuts, Queensland | Absent |
| Tree Nuts, Walnut | Absent |
| Buckwheat | Absent |
| Bee Pollen/ Propolis | Absent |
| Royal Jelly | Absent |
| Pork | Absent |
| Peach | Absent |
| Tomato | Absent |
| Sulfur Dioxide and Sulfite > 10 ppm | Absent |

Meaning of Present/Absent/Present-Exempt

Present - Intentionally added during the production process.

Absent - Not intentionally added during the production process.

Present-Exempt - Intentionally added during the production process, however have been given exemption from being required to be labeled on the final package.

The above list of allergens is in accordance with all applicable EU and US legal requirements.

Additional allergen information is available in the Product Information Sheet for KRYSTAR® 300 Crystalline Fructose

GMO Status

The above-mentioned ingredient is not considered Non-GMO

For additional information regarding the GM status of the above-mentioned ingredient, please refer to the Product Information Sheet.

Storage Conditions

| Container | Storage Temperature | Storage conditions to achieve maximum shelf life |
|-------------------------------|---------------------|---|
| Multiwall Bag, Bulk Bag, Bulk | < 25 °C | Optimum storage conditions for KRYSTAR are 25°C (77°F) or lower, and less than 50% relative humidity. Crystalline fructose begins to absorb moisture at 56% relative humidity and room temperature. Unopened bags are designed to protect KRYSTAR under optimum warehouse conditions up to 18 months. Crystalline Fructose is a very stable molecule however temperature and humidity should be controlled to avoid potential lumping. These lumps are usually pliable and are easily broken by massaging the bags prior to opening or passing the crystalline fructose thru de-lumping machinery. For further information please reference the Tate & Lyle "Krystar Crystalline Fructose Storage and Handling" technical bulletin. |

Shelf Life

| Package | Shelf Life | Sulfur Dioxide and Sulfite Level |
|-------------------------------|------------|----------------------------------|
| Multiwall Bag, Bulk Bag, Bulk | 540 Days | < 10 ppm |

Organic Statement

Certified for Organic Labeling: No

For more information please consult the Product Information Sheet for KRYSTAR® 300 Crystalline Fructose

Nutritional Information

| Nutritional Information | Nutrients Per 100 Grams |
|-------------------------|-------------------------|
| Calories | 400 kcal |
| Total Fat | 0 g |
| Saturated Fat | 0 g |
| Trans Fat | 0 g |
| Cholesterol | 0 mg |
| Sodium | 1.0 mg |
| Total Carbohydrate | 100.0 g |
| Dietary Fiber | 0 g |
| Total Sugars | 100.0 g |
| Protein | 0 g |
| Vitamin D | 0 µg (0 IU) |
| Calcium | 0 mg |
| Iron | 0 mg |
| Potassium | 0 mg |
| Moisture | 0 g |
| Ash | 0 g |

United States Format

Note: A value of 0 means this product is not a significant source of this nutrient.

Supplier Information

Name: Tate & Lyle
Address: 2200 E Eldorado
Decatur, IL 62525
USA
Main Phone: 1-217-423-4411
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