

KRYSTAR® 450 Crystalline Fructose

1510010515022, 15100105

Product Description : Sweetener

Appearance: Crystalline

Color: White

Odor:

Solubility Statement: Soluble In Water

Quality Inspection Plan (Official Specification Values)

Parameter	Target	Range/ Attribute	Unit	Method
MOISTURE		<= 0.06	%	Moisture - TN46040
COLOR, RBU		<= 30.0	RBU	Color - TN22720
DEXTROSE		<= 0.50	%	Saccharide Distribution - TN67395
FRUCTOSE		>= 99.50	%	Saccharide Distribution - TN67395
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
DENSITY		<= 1.00	g/cm ³	Bulk Density - TN24550
SCREEN ON US#50		>= 60.00	%	Screen Size - TN69400
FLAVOR		Pass		Flavor - TN31050
ODOR		Pass		Odor - TN52550
SO2		<= 9.0	ppm	Sulfur Dioxide - TN80055
SULFATE		<= 250.0	ppm	Sulfate - TN79300
ASH		<= 0.025	%	Ash - TN09580
CHLORIDE		<= 180.0	ppm	Chloride - TN19005
HMF		<= 50.0	ppm	HMF - TN39948
ARSENIC		<= 1.0	ppm	ARSENIC - TN09026
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: 21 CFR 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/Celery/Celery	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® 450 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	< 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	540 Days	< 10 ppm

Organic Statement

Certified for Organic Labeling: No

For more information please consult the Product Information Sheet for KRYSTAR® 450 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
Main Fax: 1-217-421-2628
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