

Fumaric Acid, FCC - Fine

2800020424520, 2800020415021, 2800020412320, 28000204

Appearance: Crystals

Color: White

Odor: None

Quality Inspection Plan (Official Specification Values)

| Parameter | Target | Range/ Attribute | Unit | Method |
|-----------------------------|--------|---------------------|------|---------------------------------|
| ASSAY | | 99.50 - 100.50 | % | Fumaric - TN20575 |
| LEAD, FCC(ppm) | | < 2.0 | | Lead by AA - TN20680 |
| COLOR | | < 10.0 | | APHA Color - TN20600 |
| HEAVY METALS | | < 10.00 | ppm | Heavy Metals as Lead - TN20630 |
| MALIC ACID | | < 1.00 | % | Malic & Maleic - TN20695 |
| MALEIC ACID | | < 0.10 | % | MALEIC ACID - TN20696 |
| WATER | | < 0.50 | % | Moisture - TN20710 |
| ORGANIC VOLATILE IMPURITIES | | Pass | | OVI - TN20730 |
| THRU US#100 (150µm) | | < 10.00 | % | Particle Size - Gradex TN20745G |
| ON US#30 (600µm) | | < 0.00 | % | Particle Size - Gradex TN20745G |
| FLOWABILITY | | Pass | | Flowability - TN20870 |
| RESIDUE ON IGNIT | | < 0.10 | % | Sulfated Ash - TN20910 |
| IDENTITY | | Pass | | Malic Identity - TN20635 |

Product Composition / Labeling

Fumaric Acid

Regulatory Status

Compliance Statement:

- Meets all specifications as defined in the Food Chemicals Codex.

21 CFR References:

21CFR172.350

European Food Additive Number: E297

Country of Origin

Country of Manufacture: United States

Kosher Status

Certified Kosher: Yes

Certified Kosher for Passover: Yes

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 | 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 Fumaric Acid, FCC - Fine

GMO Status

The above-mentioned ingredient is 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 |
|------------------|---------------------|--|
| Super Sack, Bags | | Cool dry environment. |

Shelf Life

| Package | Shelf Life | Sulfur Dioxide and Sulfite Level |
|------------------|------------|----------------------------------|
| Super Sack, Bags | 1,825 Days | |

Organic Statement

Certified for Organic Labeling: No

For more information please consult the Product Information Sheet for Fumaric Acid, FCC - Fine

Nutritional Information

| Nutritional Information | Nutrients Per 100 Grams |
|-------------------------|-------------------------|
| Calories | 276 kca |
| Calories from Fat | 0 |
| Total Fat | 0 g |
| Saturated Fat | 0 g |
| Trans Fat | 0 g |
| Cholesterol | 0 mg |
| Total Carbohydrate | 0 g |
| Sugars | 0 g |
| Dietary Fiber | 0 g |
| Protein | 0 g |
| Sodium | 0 mg |
| Vitamin A | 0.000 µg (0 IU) |
| Vitamin C | 0 mg |
| Calcium | 0 mg |
| Iron | 0 mg |
| Moisture | 0.4 g |
| Ash | 0 g |

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
E-mail: orders@tateandlyle.com

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