

Malic Acid, FCC - Fine

2800000638919, 2800000627620, 2800000617100, 2800000615021,
2800000612320, 2800000610423, 28000006

Product Description : Tate & Lyle Malic Acid, FCC is produced by a process to yield the DL form of Malic Acid.

Appearance: Powder

Color: White

Odor: None

Solubility Statement: Soluble In Water

Quality Inspection Plan (Official Specification Values)

Parameter	Target	Range/ Attribute	Unit	Method
APPEARANCE		Pass		Appearance - TN20550
ODOR		Complies		Odor - TN20882
TASTE		Complies		Sensory Evaluation - TN20922
IDENTITY		Pass		Malic Identity - TN20635
FUMARIC ACID		<= 1.00	%	Fumaric - TN20690
MALEIC ACID		<= 0.05	%	Maleic - TN20691
MOISTURE		<= 0.50	%	Moisture - TN20705
ON US#25 (710µm)		<= 1.00	%	Particle Size - RoTap TN20745R
THRU US#100 (150µm)		<= 5.00	%	Particle Size - Gradex TN20745G
RESIDUE ON IGNIT		<= 0.10	%	Sulfated Ash - TN20910
MALIC ACID		99.00 - 100.50	%	Malic - TN20925
WATER INSOLUBLES		<= 0.10	%	Insolubles - TN20945
ARSENIC		<= 2.00	ppm	Arsenic - TN20560
CHLORIDES		<= 40.00	ppm	Chloride - TN20596
CLARITY		Pass		Clarity - TN20599
MELTING POINT		127.0 - 132.0	°C	MELTING POINT - TN20693
HEAVY METALS		<= 5.00	ppm	Heavy Metals as Lead - TN20630
LEAD, FCC(ppm)		<= 2.0	ppm	Lead by AA - TN20680
ROTATION		Pass		Specific Rotation - TN20895

Product Composition / Labeling

Malic Acid

Regulatory Status

Compliance Statement:

- Complies with FDA Regulation 21CFR.184.1069

21 CFR References: 21CFR184.1069

Food Additives Number: E296

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/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 Malic 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		Store at ambient temperature and humidity.

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 Malic Acid, FCC - Fine

Nutritional Information

Nutritional Information	Nutrients Per 100 Grams
Calories	239 kcal
Total Fat	0 g
Saturated Fat	0 g
Trans Fat	0 g
Cholesterol	0 mg
Sodium	0 mg
Total Carbohydrate	0 g
Dietary Fiber	0 g
Total Sugars	0 g
Protein	0 g
Vitamin D	0 µg (0 IU)
Calcium	0 mg
Iron	0 mg
Potassium	0 mg
Moisture	0.3 g
Ash	0 g

United States Format

Organic acids are not nutrients, however, they provide a small amount of energy (calories) when metabolized by the human body. Energy estimations are based on heat of combustion data (bomb calorimetry).

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

Supplier Information

Name: Tate & Lyle
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USA
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