

83182-MALIC ACID**1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION****1.1. Identification of the substance or preparation**

Name: Malic acid

Bulk code: 83182

Internal code: 401338

Valid from batch: 0140848

1.2. Synonyms

E296, Succinomalic acid , oxysuccinic acid , pomic acid .

2. DESCRIPTION

Appearance: Crystalline powder

Color: White or almost white

Odor: Characteristic

Origin: Synthetic.

Geographic origin: Italy

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients: Malic acid (DL) 100%.

Formula: C₄H₆O₅

CAS: 6915-15-7

EINECS: 230-022-8

Molecular weight: 134.1 g/mol

INCI: Malic acid

4. PHYSICAL-CHEMICAL DATA

For more detailed information, please consult the analysis bulletin.

Solubility: The product is very soluble in water and alcohol, but slightly soluble in acetone.**Incompatibility:** Oxidizing agents.**5. PROPERTIES/USES**

Food use.

6. DOSAGE

No data available.

83182-MALIC ACID**7. OBSERVATIONS**

The product has been handled in a non-sterile room, therefore the product is not sterile.

The documentation corresponding to the regulatory part of the product that is available for it is shown below.

NUTRITIONAL INFORMATION:

According to the manufacturer, the approximate nutritional information for the product is as follows:

Per 100g:

Calories/Energy: 240 kcal .

ALLERGENS:

- **Food allergens:** This product does not contain any allergens as declared in Annex II of Regulation (EU) No 1169/2011 and its subsequent amendments. This product does not contain any of the following allergenic substances :
 - o Cereals containing gluten (wheat, rye, barley, oats, spelt, kamut (Khorasan) or their hybrid varieties) and their derivatives
 - o Crustaceans and their derivatives
 - o Eggs and their derivatives
 - o Fish and its derivatives
 - o Peanuts and their derivatives
 - o Soybeans and their derivatives
 - o Milk and its derivatives (including lactose)
 - o Nuts (almonds, hazelnuts, walnuts, cashews, pecans, Brazil nuts, pistachios, macadamia nuts /Queensland) and their derivatives
 - o Celery and its derivatives
 - o Mustard and its derivatives
 - o Sesame seeds and their derivatives
 - o Sulfur dioxide and sulfites in concentrations exceeding 10 mg/kg or 10 mg/l expressed as SO₂ in the product intended for the final consumer
 - o Lupins and their derivatives
 - o Mollusks (gastropods, bivalves, cephalopods) and their derivatives

STORAGE:

Store at room temperature (25±2°C), in a cool, dry place, protected from light and with the container tightly closed, away from sources of heat and humidity.

SHELF LIFE:

3 years. For more detailed information, please refer to the analysis bulletin.

83182-MALIC ACID**LEGAL REQUIREMENTS:**

The product complies with:

- EU Regulation 231/2012 (food additives)
- Regulation (EC) 852/2004
- Regulation (EC) 853/2004
- EU Regulation 854/2004
- Regulation (EC) 178/2002

BSE/TSE:

The product does not present a risk of BSE/TSE according to Regulation 2001/999/EC and EMA 410/01.

GMO:

The product does not contain or is not a GMO derivative, in accordance with Regulations 1829/2003/EC and 1830/2003/EC.

NANOMATERIALS:

The product is not a nanomaterial according to Regulation (EC) 1169/2011.

RADIATION:

The product has not been irradiated in accordance with Directives 1992/2/EC and 1999/3/EC.

ETHYLENE OXIDE:

The product has not been treated with ethylene oxide in accordance with Regulation (EU) 1396/2022.

PESTICIDES:

The product complies with Regulation 396/2005/EC.

ADDITIVES:

The product contains no foreign materials, preservatives, or colorants.

RESIDUAL SOLVENTS:

The product complies with ICH Q3C.

CONTAMINANTS/IMPURITIES:

- In the product, the contaminants are compliant with Regulation (EU) 2023/915.
- The product does not contain:
 - o Gelatin
 - o Air fresheners
 - o Sweeteners
 - o Sugars (sucrose/dextrose)
 - o Latex



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Document Type:

TECHNICAL SPECIFICATIONS

Revision date:

14/11/2025

Version:

5.0

83182-MALIC ACID

HEAVY METALS:

Total heavy metals ≤ 20 ppm

Arsenic (As) ≤ 3 ppm

Lead (Pb) ≤ 2 ppm

Mercury (Hg) $\leq 0.0 - 1.0$ ppm

Iron (Fe) ≤ 5 ppm

VEGAN/VEGETARIAN:

Product suitable for vegan/vegetarian use.

TESTED ON ANIMALS:

The product has not been tested on animals.

WADA:

The product does not contain any of the doping substances listed in the WADA list of prohibited substances.

REACH:

01-2119906954-31-0000