

## CERTIFICATE OF CONFORMITY

**Certificate Number:** FMT-CE-2025-059-TA

**Date of Issue:** 16.05.2025

### DISTRIBUTOR:

#### FERMETECH OÜ

Suur-jõe 71, 80042 Pärnu Estonia

Reg. nr: 11646366

Tel: +372 545 02075 E-mail: [info@fermetech.eu](mailto:info@fermetech.eu)

### PRODUCT DETAILS:

**Product Name** L(+)-Tartaric Acid Natural E334

**Chemical Name** L(+)-Tartaric Acid, L-2,3-dihydroxybutanedioic acid, d- $\alpha$ , $\beta$ -dihydroxysuccinic acid

**Formula** C<sub>4</sub>H<sub>6</sub>O<sub>6</sub>

**Molecular Weight** 150.09 g/mol

**CAS Number** 87-69-4

**EINECS Number** 201-766-0

**Origin** Natural - extracted from residues and by-products of the wine industry

### DECLARATION:

FERMETECH OÜ hereby declares that the product mentioned above, which we distribute in the European Economic Area, complies with food additive regulations and is permitted for use in food products according to Regulation (EC) No 1333/2008. This product meets the purity criteria specified in Commission Regulation (EU) No 231/2012 establishing specifications for food additives. This declaration of conformity is issued based on information provided by our supplier and indicates the following:

- The product is manufactured in accordance with food safety principles
- The product is intended for use as a food additive (E334)
- The product has been tested to confirm its compliance with regulatory requirements
- The product is safe for its intended use when applied according to relevant legislation

### PRODUCT SPECIFICATIONS:

Parameters	Specifications
Appearance	White or almost white crystalline powder or colorless crystals
Purity	≥ 99.5% and ≤ 101.0% (anhydrous substance)
Density at 20°C	1.76 g/cm <sup>3</sup>
Solubility in water at 20°C	1.39 g/mL
pH of 0.1 N solution	2.2
Melting point	168-170°C
Optical rotation	+11.5° to +13.5°
Moisture	< 0.5%
Sulfated ash	< 0.1%
Sulfates	< 150 ppm
Chlorides	< 100 ppm
Oxalates	< 100 mg/kg

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Parameters	Specifications
Calcium	< 200 ppm
Iron	< 10 mg/kg
Arsenic	< 3 mg/kg
Mercury	< 1 ppm
Lead	< 2 ppm
Heavy metals	< 10 ppm

### TEST RESULTS:

The product has been tested for safety and meets all specifications according to current European food additive regulations.

### Nutritional values per 100g of product

Energy value	1292 kJ, 298 kcal
Sodium	Absent
Calcium	< 200 ppm
Iron	< 10 ppm
Ash	< 0.05%
Fats	Absent
Cholesterol	Absent
Proteins	Absent
Carboxylic acids	99.5 - 101.0%
Vitamins	Absent

### INTENDED USE:

For use in food industry as acidity regulator, flavor enhancer, preservative and antioxidant in accordance with applicable regulations and dosage limitations. Common applications include wine production, effervescent powder preparation, preserved foods, baking (preparation of emulsifying agents), pharmaceuticals, and as an additive in the building industry.

### STORAGE CONDITIONS:

Store in a cool, dry, and ventilated environment. Protect from physical damage and keep away from heat sources. Do not stack.

### CONFORMITY ASSESSMENT:

Based on the supplied technical specifications and our internal documentation, we confirm that the above-mentioned product meets the specifications for L(+)-Tartaric acid (E334) as defined in Commission Regulation (EU) No 231/2012. The product is suitable for use in food products as an acidity regulator, flavor enhancer, and preservative in accordance with the conditions specified in Regulation (EC) No 1333/2008 on food additives.

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### Toomas Karuks

CEO | FERMETECH OÜ

Date: 16.05.2025

Place: Pärnu, Estonia

*This document was issued electronically and is valid without signature*

**FERMETECH OÜ** | Suur-jõe 71, 80042 Pärnu, Estonia | Reg. nr: 11646366