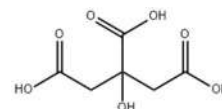




## TECHNICAL DATA SHEET

**Product name:** Citric Acid



### Specifications

Parameters	Specifications	Typical results
Appearance	White crystalline powder	White crystalline powder
Identity (IR)	Passes test	Passes test
Assay (alkalimetric)	99.5 - 100.5%	100.3%

### Stability and storage:

Citric acid is generally considered stable under normal conditions of use, storage, and transport.

Store in a cool place, away from heat sources and direct sunlight. Avoid temperatures above 30°C. Store in a dry environment to prevent moisture absorption and potential degradation. Ensure adequate ventilation in the storage area to prevent the buildup of dust or vapors.

Keep the container tightly closed to protect the citric acid from moisture and air. Avoid storing citric acid near strong bases, strong acids, and sources of ignition. Take precautions to prevent the formation of dust during handling, as it can be an irritant.

Avoid letting the product enter drains.

### Application Area:

Citric acid is widely used as a flavoring agent, preservative, and acidity regulator in various products like beverages, candies, snacks, and dairy products.

It acts as an excipient, stabilizer, and preservative in drug formulations. It is also used in antacids and laxative medications.

Citric acid is used in creams, gels, and liquids as an acidulant.

It helps remove limescale and clean surfaces due to its ability to chelate metals.

Citric acid is also used in cleaning products, as a pH adjuster, and in some industrial processes. Also act as a chelating agent

As part of the developing process for photographic film, citric acid can be employed as a lower-odor stop bath.

### General information

CAS No.	: 77-92-9
IUPAC Name	: 2-Hydroxypropane-1,2,3-tricarboxylic acid
Synonyms	: Citric acid anhydrous
EC No.	: 201-069-1

### Physical/Chemical properties:

Molecular Formula	: C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>
Molecular Weight	: 192.12
Physical state at 20°C	: Solid
Refractive Index	: 1.493–1.509 (20 °C)
Melting Point	: 153-159 °C
Solubility	: Ethanol
Flash Point	: 155 °C

### Hazard classification & labelling:

Single Word	: Danger
Pictogram	: 

Classification according to Regulation (EC) No 1272/2008 : H319,H335

Precautionary statement(s) : P261,P264,P271, P280,P304+P340+P312, P305+P351+P338