



# TECHNICAL DATA SHEET

## CITRIC ACID

Concise Industrial Product Information

Citric Acid is a crystalline organic acid used as an acidulant, pH regulator, chelating agent, and processing aid in industrial, food, pharmaceutical, and cleaning applications.

### PRODUCT NAME & CAS NUMBER

Product Name	Citric Acid
Chemical Formula	C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>
CAS Number	77-92-9

### MAIN APPLICATIONS

- Food and beverage acidulant and flavor stabilizer.
- Pharmaceutical excipient and pH adjustment agent.
- Detergent, descaling, and cleaning formulations.
- Water treatment, metal ion chelation, and process pH control.

### KEY PROPERTIES

Appearance	White crystalline powder or colorless crystals
Odor	Odorless
Purity	Typically $\geq 99.5\%$
Density	Approx. 1.66 g/cm <sup>3</sup> at 20 °C
Solubility	Highly soluble in water; soluble in ethanol
pH	Approx. 2.2 for aqueous solution at 0.1 M

### STORAGE CONDITIONS

Store in a cool, dry, and well-ventilated area in tightly closed original containers. Protect from moisture, direct sunlight, and incompatible alkaline or oxidizing materials. Avoid dust generation during handling.

### TECHNICAL DISCLAIMER

This Technical Data Sheet is based on typical specifications and general industrial knowledge. It is for professional reference only and does not replace the supplier's certificate of analysis, safety data sheet, or regulatory documents. Users must verify suitability for their intended application.