



## Technical Data Sheet

**Chemical Name:** Citric Acid Monohydrate

**Synonyms:**

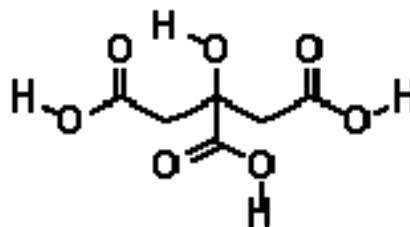
**Molecular Formula:** C<sub>6</sub>H<sub>8</sub>O<sub>7</sub>·H<sub>2</sub>O

**Molecular Weight:** 210.14

**CAS Number:** 5949-29-1

**EINECS Number:** 221-095-7

**Properties:** Colorless crystals or white crystalline powder without odor. It tastes heavily sour. Dissolving in water, alcohol and ethyl ether, it slightly effloresces in dry air and deliquesces in humid air. Optical activity  $[\alpha]_{20/D} +53 \pm 2^\circ$ , 5 hr, c = 10% in H<sub>2</sub>O



**Quality Standards:** BP98

<u>Items</u>	<u>Specification</u>
Appearance	Colorless crystals /white crystalline powder
Identification & Solubility	Pass the Test
Clarity & Color of Solution	Pass the Test
Moisture	7.5 ~ 9.0%
Heavy Metals	≤10ppm
Oxalic Acid	≤350ppm
Readily Carbonisable Substances	Pass the Test
Sulphated Ash	≤0.1%
Sulphate	≤150ppm
Purity	99.50 ~ 101.00%
Bacteria Endotoxin	≤0.5IU/mg
Aluminium	≤0.2ppm
Particle Size	-----

**Package:** In 25kg kraft paper compound bags.

**Usage:** Used as many reagents in the lab, an acidulant, flavorant, preservative in foods and beverages. It is also widely used in pharmaceutical, chemical and detergent industries.