

CITRIC ACID, TRISODIUM SALT, DIHYDRATE, 1KG**PG-1010-1KG**

Citric Acid, Trisodium Salt, Dihydrate is a water-soluble buffering and chelating agent commonly used to maintain pH stability in biological, pharmaceutical, and industrial applications. It is supplied as a white crystalline powder and should be stored in a dry, tightly closed container at room temperature.

Details

Product Name	Citric Acid, Trisodium Salt, Dihydrate (Trisodium Citrate Dihydrate)
Description	A buffering and chelating agent widely used in biological, pharmaceutical, food, and chemical applications. It helps maintain pH stability and binds metal ions in solution.
Molecular Weight	294.10 g/mol
Appearance	White crystalline powder or colorless crystals
Formula	$C_6H_5Na_3O_7 \cdot 2H_2O$
Solubility	Freely soluble in water; practically insoluble in ethanol
pH (1% Solution)	7.5 – 9.0
CAS Number	6132-04-3
Storage Condition	Store at room temperature (15–30 °C) in a tightly closed container. Protect from moisture and contamination.
Applications / Uses	Used as a buffering agent in biological buffers, molecular biology reagents, cell culture media, diagnostic kits, pharmaceutical formulations, food processing, and water treatment applications.

Safety

Generally considered a low-hazard chemical. May cause mild irritation to the eyes, skin, or respiratory tract upon prolonged exposure. Use appropriate PPE such as gloves, lab coat, and safety goggles. Avoid inhalation of dust. Store in a tightly closed container away from incompatible materials. Dispose of according to local laboratory regulations.