

DATASHEET

CITRIC ACID

RETARDING AGENT

CHEMICAL DENOMINATION

Citric Acid.

PROPERTIES AND APPLICATIONS

Citric Acid is a weak organic acid that alters the cement crystal formation reaction, interfering with the reaction speed, delaying the setting time of the paste or slowing down its hardening.

It delays the drying in cementitious materials (Portland and Aluminous) and the gypsum base, increasing the mortar open time and controlling the reaction speed.

In the cosmetics and household products segments, Citric Acid is generally used as an acidifier to adjust the pH level.

HANDLING

Handling in a dry and well-ventilated place is required. Use dust mask and protective gloves.

PHYSICOCHEMICAL CHARACTERISTICS

Analysis Item	Unit	Specified	Test Method
Visual Appearance	-	White crystalline powder	-
Purity	%	99.5 - 100	-
Metals	ppm	Max. 5	-
Sulfate	%	< 0.05	-
Residue	%	Max. 0.05	-
Humidity	%	Max. 1	MIA LQ 06
Density	(g/L)	900 - 1100	MIA LQ 02
pH (1% solution)	-	1.5 – 3.5	MIA LQ 05

PACKAGING AND STORAGE

The Product remains stable for 18 months if stored in a cool and ventilated place. Keep the product in always closed bags, hygroscopic product. The product goes in multi-ply sacks weighing 25 kg.