



Technical Data Sheet

Product Name: Citric Acid Anhydrous

Chemical Name: 2-Hydroxypropane-1, 2, 3-Tricarboxylic Acid Anhydrous

Molecular Formula: C₆H₈O₇

Molecular Weight: 192.1

CAS No.: 77-92-9

Description: White Crystalline Powder, Colorless Crystals or Granules

Application: Citric Acid is mainly used as acidulant, flavoring agent, preservative and antistaling agent in food and beverage industry. It is also used as antioxidant, plasticizer and detergent in chemical, cosmetics and cleaning industries.

Package: 25kg net 3-ply kraft paper bags or composite paper-plastic bags with PE liner, 500kg or 1000kg net PP woven jumbo bags

Storage: Kept in tightly closed original container in a dry, cool, well-ventilated place

Shelf Life: Two years

Quality Standards: BP2012, USP35, FCC8, E330

Particle Size: 30-100mesh, 12-40mesh

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Specification of Citric Acid Anhydrous

Item	Unit	BP 2012	USP 35	FCC 8	E 330
Characters		White Crystalline Powders, Colorless Crystals or Granules			
Identification		Pass Test			
Color & Clarity of Solution		Pass Test	Pass Test	/	Pass Test
Assay	%	99.5-100.5	99.5-100.5	99.5-100.5	99.5-100.5
Water	%	≤1.0	≤1.0	≤0.5	≤0.5
Readily Carbonisable Substances		Not Darker than Standard	Not Darker than Standard	Pass Test	Pass Test
Sulphated Ash	%	≤0.1	≤0.1	≤0.05	≤0.05
Sulphate	ppm	≤150	≤150	/	≤150
Oxalate	ppm	≤360	≤360	Pass Test	≤100
Calcium	ppm	/	/	/	≤75
Iron	ppm	/	/	/	≤5
Aluminum	ppm	≤0.2	≤0.2	/	/
Arsenic	ppm	/	/	/	≤1
Lead	ppm	/	/	≤0.5	≤0.5
Mercury	ppm	/	/	/	≤1
Heavy Metals	ppm	≤10	≤10	/	≤5
Bacterial Endotoxins	IU/mg	<0.5	Pass Test	/	/
Volatile Organic Impurities		/	/	/	Pass Test
Tridodecylamine	ppm	/	/	≤0.1	/

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