



บริษัท ชันชาย ไบโอเทค อินเตอร์เนชั่นแนล จำกัด
SUNSHINE BIOTECH INTERNATIONAL CO., LTD.

SPECIFICATION

Product Name: Citric acid Anhydrous

Product Characters:	White Crystalline Powders, Colorless Crystals or Granules
Executive Standards:	BP2009/USP32/FCC6/E330
Packaging:	25kg net composite paper-plastic bags or 3-ply kraft paper bags with PE liner, 500kg or 1000kg net PP woven Jumbo bags
Storage:	kept in a light-proof, well-closed, dry and cool place
Main Usage:	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.

Quality Standards of Citric Acid Anhydrous

Item	Unit	BP 2009	USP 32	FCC 6	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	
Water	%	≤1.0	≤1.0	≤0.5	≤0.2
Light Transmittance	%	/	/	/	/

Calcium	ppm	/	/	/	≤75
Iron	ppm	/	/	/	≤5
Arsenic	ppm	/	/	/	≤1
Mercury	ppm	/	/	/	≤1
Heavy Metals	ppm	≤10	≤10	/	≤5
Oxalate	ppm	≤360	≤360	Pass Test	≤100
Chloride	ppm	/	/	/	/
Sulphate	ppm	≤150	≤150	/	≤150
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
Volatile Organic Impurities		/	/	Pass Test	
Tridodecylamine	mg/kg	/	/	≤0.1	
Lead	ppm	/	/	≤0.5	≤0.5
Aluminum	ppm	≤0.2	≤0.2	/	/
Bacterial Endotoxins	IU/mg	<0.5	Pass Test	/	/