



Specification Citric Acid Anhydrous BP/FCC 30-100M

The following specification is the latest revision (as at 01 Jul 2021) and supersedes all previous specifications for this product code.

Specification Details					
Product Code	CIACID1200	CAS Number	77-92-9	Shelf Life	1,095 Day
Product	Citric Acid Anhydrous BP/FCC 30-100M				
Pack Size	15 kg net Bags				
Customer Name	Alpha Chemicals Pty Ltd				
Revision	16 (on 23/08/2019)	Std. Compliance	BP2017, EP9.0, USP40, FCC11, JP XVII, E330 (EU), No.231/2012		
Authorised By	Damien Barrett Quality Assurance Manager	Notes	Updated compliance statement to FCC11, no other changes.		

Specifications				
Description	Unit	Typical	Guaranteed	Method
Description: colourless, translucent crystals or white granular to crystalline powder				
Molecular Formula: C ₆ H ₈ O ₇				
Molecular Weight: 192.12				
Appearance: colourless or white crystals or powder			Conforms	
Identification			Passes Test	
Clarity and colour of solution			Passes Test	
Content	%		99.5 - 100.5	BP,EP,USP,E330,JP,FCC
Moisture	%		Max 0.5	BP,EP,USP,E330,JP,FCC
Calcium			Passes Test	JP
Arsenic	mg/kg		Max 1	E330,JP
Heavy metals	ppm		Max 10	BP,EP,USP,JP
Oxalate/Oxalic Acid	ppm		Max 100	BP,EP,USP,E330,JP,FCC
Sulphate	ppm		Max 150	BP,EP,USP,JP
Readily Carbonisable Substances			Passes Test	BP,EP,USP,E330,JP,FCC
Sulphated ash, Residue on Ignition	%		Max 0.05	BP,EP,USP,E330,JP,FCC
Organic Volatile Impurities, Residual Solvents			Passes Test	USP
Lead	mg/kg		Max 0.5	E330, FCC
Mercury	ppm		Max 1	E330
Aluminium	ppm		Max 0.2	BP,EP,USP
Bacterial Endotoxins	IU/mg		Max 0.5	BP,EP,USP
Isocitric Acid (Relative Substances)			Passes Test	JP
Polycyclic Aromatic Hydrocarbons			Passes Test	JP
Triethylamine	ppm		Max 0.1	FCC
Sterility			Passes Test	USP
Cadmium	ppm		Max 1	
Typical Particle size: between 30-100 mesh	%	90.0		

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Specifications				
Description	Unit	Typical	Guaranteed	Method
Conforms to BP2017, EP9.0, USP40, FCC11, JP XVII, E330 (EU), No.231/2012			Conforms	

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