



# Specification Citric Acid Monohydrate BP, USP, FCC

The following specification is the latest revision (as at 21 Dec 2022) and supersedes all previous specifications for this product code.

Specification Details					
<b>Product Code</b>	CIACID0100	<b>CAS Number</b>	5949-29-1	<b>Shelf Life</b>	1,095 Day
<b>Product</b>	Citric Acid Monohydrate BP, USP, FCC				
<b>Pack Size</b>	25 kg net Bags				
<b>Customer Name</b>	Alpha Chemicals Pty Ltd				
<b>Revision</b>	11 (on 22/10/2019)	<b>Std. Compliance</b>	BP2019/EP9.0/USP42/FCC11/ JP XVII/E330(EU) No.231/2012		
<b>Authorised By</b>	Damien Barrett Quality Assurance Manager	<b>Notes</b>	Compliance statement updated to BP2019/EP9.0/USP42/FCC11/ JP XVII/E330(EU) No.231/2012		

Specifications				
Description	Unit	Typical	Guaranteed	Method
Appearance: translucent crystals or white, granular to fine crystalline powder			Conforms	
Molecular Formula: C <sub>6</sub> H <sub>8</sub> O <sub>7</sub> .H <sub>2</sub> O				
Molecular Weight: 210.10				
Identification			Passes Test	BP
Clarity & colour of solution			Passes Test	BP
Content	%		99.50 - 100.50	BP, EP, USP, E330, JP, FCC
Moisture	%		7.5 - 8.8	BP, EP, USP, E330, FCC
Calcium			Passes Test	JP
Arsenic	ppm		Max 1	E330, JP
Heavy metals	ppm		Max 5	E330
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	%		Max 0.05	BP, EP, USP, E330, JP, FCC
Lead	ppm		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			Passes Test	JP
Polycyclic Aromatic Hydrocarbon			Passes Test	JP
Trilaurylamine	ppm		Max 0.1	FCC
Sterility			Passes Test	USP
Cadmium	ppm		Max 1	
Typical Mesh size: 8-80 mesh				
Conforms to BP2019/EP9.0/USP42/FCC11/ JP XVII/E330(EU) No.231/2012			Conforms	

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