

The following specification is the latest revision (as at 25 Nov 2022) and supersedes all previous specifications for this product code.

Specification Details					
<b>Product Code</b>	ASACID6100	<b>CAS Number</b>	50-81-7	<b>Shelf Life</b>	1,095 Day
<b>Product</b>	Ascorbic Acid				
<b>Pack Size</b>	25 kg net Cartons				
<b>Customer Name</b>	Alpha Chemicals Pty Ltd				
<b>Revision</b>	43 (on 25/10/2022)	<b>Std. Compliance</b>	BP2022, USP2022, FCC13, EP10, E300		
<b>Authorised By</b>	Damien Barrett Quality Assurance Manager	<b>Notes</b>	FCC and USP compliance updated to FCC13, USP2022.		

Specifications				
Description	Unit	Typical	Guaranteed	Method
Appearance: white or almost white crystalline powder or colourless crystals			Conforms	
* Solubility: freely soluble in water, slightly soluble in ethanol, insoluble in chloroform			Passes Test	
Identification A: positive reaction			Passes Test	
Identification B: IR			Passes Test	
Melting point	deg C		about 190.0	
Specific rotation			+20.5 to +21.5	
pH, 5% w/v			2.1 - 2.6	
* pH, 2% w/v			2.4 - 2.8	
* Loss On Drying	%		Max 0.1	
Residue On Ignition	%		Max 0.1	
Assay	%		99.0 - 100.5	
Clarity of solution: clear			Passes Test	
Colour of solution			Max BY7	
* Impurity E	%		Max 0.2	
* Impurity C			Max 0.15	
* Impurity D			Max 0.15	
Unspecified Impurities: each impurity	%		Max 0.10	
Total of impurities other than C and D	%		Max 0.2	
* Heavy metals	ppm		Max 10	
* Copper	ppm		Max 5	
* Iron	ppm		Max 2	
* Cadmium	ppm		Max 1	ICP-MS
* Mercury	ppm		Max 1	ICP-MS
* Lead	ppm		Max 1	ICP-MS
* Arsenic	ppm		Max 1	ICP-MS
* Total Plate Count	cfu/g		Max 1000	
* Yeast and Moulds	cfu/g		Max 100	
* Escherichia coli			Absent	
* Salmonella			Absent	



<b>Specifications</b>				
<b>Description</b>	<b>Unit</b>	<b>Typical</b>	<b>Guaranteed</b>	<b>Method</b>
* Staphylococcus Aureus			Absent	
* Residual Solvents			Passes Test	
Conforms to BP2022, USP2022, FCC13, EP10, E300			Conforms	
* Indicates the tests which are conducted under routine periodic testing				

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