

# Specification

## Technical Data Sheet

<b>Product Name</b>	Citric acid monohydrate
<b>Product No</b>	14551244
<b>CAS Number</b>	5949-29-1
<b>Storage Temperature</b>	Ambient
<b>Molecular Weight</b>	210.14
	<b>Specification</b>
<b>Appearance</b>	White or almost white crystalline powder, colourless crystals/granules.
<b>Bacterial endotoxin</b>	≤ 0.5 IU/mg
<b>Heavy metals</b>	≤ 5 mg/kg
<b>Water</b>	7.5 - 8.8%
<b>Appearance of Solution</b>	Passes test
<b>Assay</b>	99.5 - 100.5%

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<b>Chloride (Cl)</b>	≤ 5 mg/kg
<b>Odour</b>	Odourless
<b>Oxalate</b>	≤ 50 mg/kg
<b>Readily Carbonisable Substances</b>	Passes test
<b>Solubility</b>	Very soluble in water. Freely soluble in ethanol. Very slightly soluble in diethyl ether.
<b>Sulphated Ash</b>	≤ 0.05%
<b>aluminium (Al)</b>	≤ 0.2 mg/kg
<b>Arsenic (As)</b>	≤ 0.1 mg/kg
<b>Lead (Pb)</b>	≤ 0.1 mg/kg
<b>Mercury (Hg)</b>	≤ 0.1 mg/kg
<b>Sulphate (SO<sub>4</sub>)</b>	≤ 50 mg/kg
<b>Taste</b>	Strongly acidic taste

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