

Specification of Citric Acid Monohydrate

Date: Jan.1,2025

Chemical formula: $C_6H_8O_7 \cdot H_2O$			Mol.Weight: 210.15		Einecs: 201-069-1		CAS number:5949-29-1	
No.	Item	Unit	BP2014	USP40	E330	FCC12	GB1987-2007	Taihe Standard
1	Characters		Colorless crystals or granulars, white crystalline powders					
2	Identification		Pass Test					
3	Clarity&Color of Solution		Pass Test	Pass Test	/	/	/	Pass Test
4	Light Transmittance	%	/	/	/	/	$\geq 95\%$	$\geq 95\%$
5	Assay	%	99.5-100.5	99.5-100.5	≥ 99.5	99.5-100.5	99.5-100.5	99.5-100.5
6	Moisture	%	7.5-9.0	7.5-9.0	≤ 8.8	≤ 8.8	7.5-9.0	7.5-8.8
7	Readily Carbonisable Substances		Not exceeding standard	Not exceeding standard	Not exceeding standard	Not exceeding standard	≤ 1.0	Not exceeding standard
8	Sulphated Ash	%	≤ 0.1	≤ 0.1	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05
9	Sulphate	ppm	≤ 150	≤ 150	/	/	≤ 150	≤ 150
10	Chloride	ppm	/	/	/	/	≤ 50	≤ 50
11	Oxalate	ppm	≤ 360	≤ 360	≤ 100	Pass Test	≤ 100	≤ 100
12	Calcium	ppm	/	/	/	/	≤ 200	≤ 200
13	Iron	ppm	/	/	/	/	≤ 5	≤ 5
14	Aluminum	ppm	≤ 0.2	≤ 0.2	/	/	/	≤ 0.2
15	Arsenic	ppm	/	/	≤ 1	/	≤ 1	≤ 1
16	Lead	ppm	/	/	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
17	Mercury	ppm	/	/	≤ 1	/	/	≤ 1
18	Heavy Metals	ppm	≤ 10	≤ 10	≤ 5	/	/	≤ 5
19	Bacterial Endotoxins	IU/mg	≤ 0.5	Pass Test	/	/	/	≤ 0.5
20	Tridodecylamine	ppm	/	/	/	≤ 0.1	/	≤ 0.1
21	Volatile Organic Impurities		/	/	Pass Test	/	/	Pass Test
22	Water Insoluable Substance		/	/	/	/	Pass Test	Pass Test
Particle Size		8-80mesh						
Shelf life		Three years						
Packing		25kg net kraft paper bag, 26MT/20'fcl, without pallet; 25kg net kraft paper bags, 24MT/20'fcl, palletized; 500kg/1000kg net big bag, 20MT/20'fcl palletized.						
Storage		Store in cool, dry place in well-closed containers						

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