

Certificate of Analysis

Product: Citric Acid Anhydrous
Molecular Formula: $C_6H_8O_7$
Batch No.: 6AX2305002
Quantity: 200MT

CAS No.: 77-92-9
Production Date: 2023-05-01

Report Date: 2023-05-03

Analysis Date: 2023-05-02
Shelf Life: 36 months

Item	Unit	Quality Standards	Analysis Results
Characters	-	White or almost white, crystalline powder, colourless crystals or granules. Odorless, has a strongly acid taste. Very soluble in water, freely soluble in ethanol. very slightly soluble in diethyl ether.	Pass
Identification	-	Pass Test	Pass
Appearance of solution	-	Pass Test	Pass
Assay	%	99.5-100.5	100.0
Water	%	≤ 0.5	0.09
Readily Carbonisable Substances	-	Pass Test	Pass
Sulphated Ash (Residue on Ignition)	%	≤ 0.05	0.02
Sulfate	mg/kg	≤ 50	< 50
Oxalate	mg/kg	≤ 50	< 50
Chloride	mg/kg	≤ 5	< 5
Lead	mg/kg	≤ 0.1	< 0.1
Arsenic	mg/kg	≤ 0.1	< 0.1
Mercury	mg/kg	≤ 0.1	< 0.1
Aluminium	mg/kg	≤ 0.2	< 0.2
Heavy Metals	mg/kg	≤ 5	< 5
Bacterial endotoxins	IU/mg	< 0.5	< 0.5

Conclusion: The product is in conformity with BP/USP/FCC/E330