

Certificate of Analysis

SHANDONG XUYAN ENVIRONMENTAL PROTECTION TECHNOLOGIES CO.,LTD

Product Name: Citric Acid Monohydrate

Item	Unit	Quality Standards	Analysis Results
Characters	---	White or almost white, crystalline powder, colourless crystals or granules. Odorless, has a strongly acid taste. effloresces in dry air. Very soluble in water, freely soluble in ethanol.	Pass
Identification	---	Pass Test	Pass
Appearance of solution	---	Pass Test	Pass
Assay	%	99.5~ 100.5	99.8
Water	%	≤ 10	8.66
Readily Carbonisable Substances	---	Pass Test	Pass
Sulphated Ash (Residue on Ignition)	%	≤ 0.05	0.02
Sulfate	mg/kg	≤ 150	<150
Oxalate	mg/kg	≤ 100	<100
Lead	mg/kg	≤ 0.5	<0.2
Arsenic	mg/kg	≤ 1.0	<0.2
Mercury	mg/kg	≤ 1.0	<0.5
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			