

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Citric Acid Anhydrous
 BATCH NO: 20201029
 SHELF LIFE: 2 YEARS

PRODUCTION DATE: 2020.10.29
 REPORT DATE: 2020.11.01
 QUANTITY: 100KGS

Specification Citric Acid Anhydrous - 12-40 Mesh		Chemical & Physical Characteristics		
Description	Unit	Typical	Guaranteed	Method
Description: white or almost white crystalline powder, colourless crystals or granules. Odourless, has a strong acid taste, very soluble in water, freely soluble in ethanol.			Passes Test	
Molecular Formula: C ₆ H ₈ O ₇				
Identification			Passes Test	BP, USP, FCC, E330
Colour and Clarity of solution			Passes Test	BP, USP, E330
Assay	%		99.5 - 100.5	BP, USP, FCC, E330
Moisture	%		Max 0.2	BP, USP, FCC, E330
Readily Carbonisable Substances: A @ 470 nm			Max 0.52	
Readily Carbonisable Substances: T @ 470 nm	%		Min 30.0	
Sulphate	ppm		Max 150	BP, USP, E330
Oxalate	ppm		Max 100	BP, USP, FCC, E330
Calcium	ppm		Max 75	E330
Iron	ppm		Max 5	E330
Sulphated Ash	%		Max 0.05	BP, USP, FCC, E330
Lead	ppm		Max 0.5	FCC, E330
Arsenic	ppm		Max 1	E330
Mercury	ppm		Max 1	FCC, E330
Aluminium	ppm		Max 0.2	BP, USP
Heavy metals as Pb	ppm		Max 5	BP, USP, E330
Bacterial Endotoxins IU/mg			Max 0.5	BP, USP
Organic Volatile Impurities			Passes Test	E330
Chloride	ppm		Max 50	
Barium			Passes Test	
Tridodecylamine	ppm		Max 0.1	FCC
Ultraviolet Absorbance			Passes Test	
Typical particle size		between 12 - 40 mesh		
Conforms to BP2013, USP36, FCC8, E330			Conforms	