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PRODUCT SPECIFICATION
Citric Acid Anhydrous Granular 12-40 Mesh
(USP/BP/FCC/E330/EP)

Characters	Colorless Crystals or White Crystalline powder
Identification	Pass Test
Clarity & color of Solution	Pass Test
Barium	Pass Test
Assay %	99.5-100.5
Moisture %	≤ 0.3
Calcium mg/kg	≤ 100
Iron mg/kg	≤ 5
Arsenic mg/kg	≤ 1
Oxalate mg/kg	≤ 100
Heavy Metals mg/kg	≤ 5
Readily Carbonisable Substances	Pass Test
Sulphate mg/kg	≤ 150
Sulphate ASH/Residue on Ignition %	≤ 0.05
Chloride mg/kg	≤ 50
Organic Volatile Impurity	Pass Test
Bacterial Endotoxins I.U./MG	≤ 0.5
Nickel mg/kg	≤ 1
Cobalt mg/kg	≤ 1
Mercury mg/kg	≤ 1
Lead mg/kg	≤ 0.5
Chromium mg/kg	≤ 1
Aluminum mg/kg	≤ 0.2
Added Sugar	N/A
Mesh Size	12-40



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Certificate of Analysis

Product	Citric Acid Anhydrous Granular	Quantity	20 MT
Lot No.	AA-23122198-G	Manufacturing Date	12/17/2023
APAC Ref	CAA-230601-409	Analysis Date	12/19/2023
Packing	1000 KG	Expiry Date	12/16/2026

Items	Standards	Results
Identification	Pass Test	Pass Test
Clarity & Color of Solution	Pass Test	Pass Test
Barium	Pass Test	Pass Test
Assay	99.5% ~ 100.5%	99.82%
Moisture	≤ 0.3%	0.10%
Calcium	≤ 100 mg/kg	<10
Iron	≤ 5 mg/kg	<1
Arsenic	≤ 1 mg/kg	<1
Oxalate	≤ 100 mg/kg	<25
Heavy Metals	≤ 5 mg/kg	<3
Readily Carbonizable Substances	Pass Test	Pass Test
Sulphate	≤ 150 mg/kg	<10
Residue of Ignition (Sulfated Ash)	≤ 0.05%	0.01
Chloride	≤ 50 mg/kg	<1
Bacterial Endotoxins	≤ 0.5 I.U./MG	<0.5
Nickel	≤ 1 mg/kg	<0.10
Cobalt	≤ 1 mg/kg	Not detected
Mercury	≤ 0.5 mg/kg	Not detected
Lead	≤ 0.5 mg/kg	<0.03
Chromium	≤ 1 mg/kg	Not detected
Aluminium	≤ 0.2 mg/kg	Not detected
Mesh Size	12-40	12-40

FINAL RESULT: THIS BATCH CONFORMS TO THE STANDARDS OF FCC & USP