

PRODUCT IDENTIFICATION



Product Name: Citric Acid Anhydrous - ACS Reagent Grade

CAS Number: 77-92-9

Molecular Formula: $C_6H_8O_7$

Molecular Weight: 192.12 g/mol

Grade: Reagent Grade

Purity / Concentration: Not Available

Synonyms: Not Available

PRODUCT OVERVIEW

Technical data sheet for Citric Acid Anhydrous - ACS Reagent Grade.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

PARAMETER	UNIT	TYPICAL	MIN	MAX	TEST METHOD
Assay Gc Density	%	99.9	99.5	100.5	GC or density
Color (APHA)	APHA	100.0	99	100.0	APHA
Residue On Ignition	%	0.01	0	0.05	Ignition
Water Karl Fischer	%	0.1	0	0.5	Karl Fischer
Arsenic As	ppm	0.01	0	1	ICP-MS
Calcium	%	ND	0	0.01	Per specification
Lead Pb	ppm	ND	0	0.5	ICP-MS
Particle Size	μm	10	0	20	Sieve Analysis
Turbidity	NTU	0.5	0	3	EPA 180.1

Values based on 1 batch tested. ND = Not Detected.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	White crystalline powder	Form	Crystal
Boiling Point	Decomposes (NTP, 1992)	Melting / Freezing Point	307 °F (anhydrous) (NTP, 1992)
Flash Point	100°C (212°F)	Solubility	Highly soluble in water, moderate in alcohol
Molecular Formula	$C_6H_8O_7$	Molecular Weight	192.12 g/mol

APPLICATIONS

Contact Alliance Chemical for application guidance.

STORAGE & HANDLING

- Store in a cool, dry, well-ventilated area.
- Keep container tightly closed when not in use.
- Store away from incompatible materials.
- Follow all applicable local and federal storage regulations.

AVAILABLE PACKAGING

- 2 lbs.
- 5 Lbs.
- 55 Lbs.

SAFETY SUMMARY (CROSS-REFERENCE TO SDS)

Signal Word: Warning



Hazard Statements:

- H319: Causes serious eye irritation [Warning Serious eye damage/eye irritation]
- H335: May cause respiratory irritation [Warning Specific target organ toxicity, single exposure; Respiratory tract irritation]

Emergency Contact: CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

For complete safety information, refer to the Safety Data Sheet (SDS) for this product.

Alliance Chemical | 204 South Edmond St, Taylor, Texas 76574 | 512-365-6838 | www.alliancechemical.com

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