

PRODUCT IDENTIFICATION



Product Name: Citric Acid Monohydrate - ACS Reagent Grade

CAS Number: 5949-29-1

Molecular Formula: $C_6H_{10}O_8$

Molecular Weight: 210.14 g/mol

Grade: Reagent Grade

Purity / Concentration: Not Available

Synonyms: Not Available

PRODUCT OVERVIEW

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

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

PARAMETER	UNIT	TYPICAL	MIN	MAX	TEST METHOD
Assay Gc Density	%	91.9	91	91.9	GC or density
Color (APHA)	APHA	100.0	99	100.0	APHA
Residue On Ignition	%	0.01	0	0.05	Ignition
Water Karl Fischer	%	8.6	0	9	Karl Fischer
Arsenic As	ppm	0.01	0	1	ICP-MS
Calcium	%	ND	0	0.01	Per specification
Lead Pb	ppm	ND	0	1	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	175°C (347°F)	Melting / Freezing Point	135°C (275°F)
Flash Point	385°C (725°F)	Solubility	Highly soluble in water, moderate in alcohol
Molecular Formula	$C_6H_{10}O_8$	Molecular Weight	210.14 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:

- H315 (14.2%): Causes skin irritation [Warning Skin corrosion/irritation]
- H319 (93.2%): Causes serious eye irritation [Warning Serious eye damage/eye irritation]
- H335 (45.3%): 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

Disclaimer: The information contained herein is believed to be accurate and represents the best information currently available to us. However, Alliance Chemical makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.