

Specification

Technical Data Sheet

CAS

5949-29-1

STORAGE

Ambient

MOLECULAR WEIGHT

210.14

PRODUCT

Citric acid monohydrate, ACS Grade

Product number	90025391
CAS number	5949-29-1
Molecular formula	$\text{HOC}(\text{COOH})(\text{CH}_2\text{COOH})_2 \cdot \text{H}_2\text{O}$
Molecular weight	210.14 g/mol

PARAMETER

SPECIFICATION

Appearance	White powder
Assay	99.88 - 100.50%
Grade	ACS Reagent
Heavy metals	$\leq 1\text{ppm}$
Water	8.10 - 8.70%
Chloride (Cl-)	$\leq 5\text{ppm}$
For research use only, not for human use	For research use only, not for human use
Iron (Fe)	$\leq 1\text{ppm}$
Aluminium (Al)	$\leq 0.2\text{ppm}$
Arsenic (As)	$\leq 1\text{ppm}$
Barium (Ba)	$\leq 1\text{ppm}$
Calcium (Ca)	$\leq 10\text{ppm}$
Copper (Cu)	$\leq 1\text{ppm}$
Lead (Pb)	$\leq 0.5\text{ppm}$
Magnesium (Mg)	$\leq 1\text{ppm}$

PARAMETER	SPECIFICATION
Mercury (Hg)	≤ 1ppm
Oxalate (Oxalic acid)	≤ 10ppm
Sulphates (SO₄)(2-)	≤ 30ppm
Zinc (Zn)	≤ 1ppm

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.

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