

Certificate of Analysis

Product: Malic Acid Purified, FCC Grade, Kosher, Halal

Item Number: MAACGF

CAS#: 617-48-1

Grade: FCC

Lot Number: 5002590/1.1

Manufacture Date: 11/18/2025

Expiration Date: 11/17/2028

Country of Origin: United States

Tested Property	Specification	Analysis
Assay	99.0 - 100.5%	99.2%
Specific Rotation	-0.1 - +0.1	0
Melting Range	127 - 132°C	129°C
Water Insolubles	Max 0.1%	0.004%
Sulphated Ash	Max 0.1%	0.05%
Fumaric Acid	Max 1.0%	0.72%
Maleic Acid	Max 0.05%	0.03%
Heavy Metals	Max 10 ppm	<10 ppm
Arsenic	Max 2 ppm	<2 ppm
Lead	Max 2 ppm	<2 ppm
Mercury	Max 1 ppm	<1 ppm
Identification Test	In absorption	Conformed

Store in a cool, dry, and well-ventilated environment.

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Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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