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Certificate of Analysis

Product Description: Malonic Acid_
Catalog Number: 102238_
Lot: SR00246_

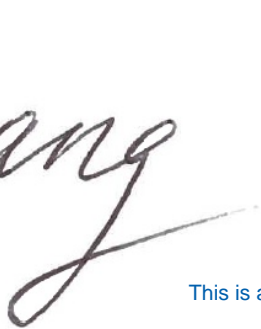
Formula: C₃H₄O₄
CAS #: 141-82-2
Physical Description: White Crystalline Powder

Formula Weight: 104.06
Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥99%	99.73%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	132 - 139°C	133.4 - 136.3°C

Residue on Ignition: 0.11%
Loss on Drying: 0.15%
Recommended Retest Date: 06/27/2021

11/30/2018 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager



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<mailto:biotech@mpbio.com>
<http://www.mpbio.com>

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Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)