

CHEMICALSTORE.COM

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CERTIFICATE OF ANALYSIS

PRODUCT	DL-MALIC ACID, FCC
LOT No.	N6C848
MFG DATE:	July 01, 2022
TEST DATE:	July 21, 2022
RE-TEST:	Every two years
COUNTRY OF ORIGIN	Canada (Bartek)

<u>TEST ITEMS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Identification by IR	Positive for Malic Acid	Positive
Assay	99.0 – 100.5%	99.7%
Maleic Acid	0.05% max	≤ 0.05%
Fumaric Acid	1.00% max	≤ 1.00%
Residue on Ignition	0.10% max	≤ 0.10%
Lead (Pb)	2 ppm max	≤ 2 ppm
Water Insoluble Matter	0.10% max	≤ 0.1%
Specific Rotation	-0.10° to +0.10°	Passes
Melting Range	127 – 132° C	120°C
Particle Size		
On 25 Mesh (710 µm)	1.0% max	0.00%
On 100 Mesh (150 µm)	5.0% max	99.5%

This material conforms to FCC 9 & European Food Additive 296

The specification and test results are mainly from the original Manufacturer's/Supplier's Certificate of Analysis. This product may be repackaged for safety, export or small quantity sales.

Chemical Store Inc.
Quality Control and Compliance
Mohammad Hamzeh