



# DL-MALIC ACID

**CHEMICAL NAME** | DL-Hydroxysuccinic Acid

**MOLECULAR FORMULA** |  $C_4H_6O_5$

**MOLECULAR WEIGHT** | 134.09

**DESCRIPTION** | DL Malic Acid is a white or nearly white crystalline powder or granules giving a strong acidic taste. It is highly soluble and stable. Its chemical name is DL-Hydroxy Butanedioic Acid. It is used as a source for extreme tartness in confectioneries and a preservative in various food applications. This material is Kosher, Pareve and Halal Certified.

## SUGGESTED USAGE/APPLICATIONS

- ▶ Confectioneries
- ▶ Jelly/Jams
- ▶ Frozen Foods
- ▶ Beverages
- ▶ Dairy Products
- ▶ Flavors

TEST ITEM	SPECIFICATION
Appearance	White or nearly white crystals
Odor	Characteristic, near odorless
Flavor	Strong acidic taste
Assay	99.0%–100.5%
Specific Rotation (25° C)	-0.10° -+0.10°
Heavy Metal	≤20ppm
Lead	≤2ppm
Fumaric Acid	≤1.0%
Maleic Acid	≤0.05%
Water Insoluble Matter	≤0.1%
Residue on Ignition	≤0.1%

NiuSource DL Malic Acid meets all the requirements of the current FCC and USP/NF.



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