

# Product Specification



The Natural Choice for Flavor  
and Fragrance Ingredients

<b>Product:</b>	<b>L-Malic Acid, Natural</b>
<b>FEMA No:</b>	<b>N/A</b>
<b>CAS No:</b>	<b>97-67-6</b>
<b>CFR No:</b>	<b>172.350; 117</b>
<b>Chemical name or Synonyms:</b>	<b>(S)-2-Hydroxysuccinic Acid; (2S)-2-Hydroxybutanedioic acid</b>
<b>Empirical Formula:</b>	<b>C<sub>4</sub>H<sub>6</sub>O<sub>5</sub></b>
<b>Declaration in USA:</b>	<b>Natural</b>
<b>EEC:</b>	<b>N/A</b>
<b>Appearance:</b>	<b>Colorless to white crystalline powder</b>
<b>Odor:</b>	<b>Odorless</b>
<b>Melting Point:</b>	<b>101 -103°C</b>
<b>Boiling Point:</b>	<b>140°C</b>
<b>Flash Point:</b>	<b>153°C</b>
<b>Purity:</b>	<b>95% Min</b>
<b>Solubility:</b>	<b>Soluble in water and in alcohol</b>
<b>Storage and Shelf Life:</b>	<b>Store in a cool, dry area away from light and sources of ignition. 24 months shelf life</b>

Revision #2 8/15/2022