

# Product Specification



The Natural Choice for Flavor  
and Fragrance Ingredients

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|--|---|
| <b>Product:</b>  | <b>Lactic Acid, Natural</b>   |
| <b>FEMA No:</b>  | <b>2611</b>   |
| <b>CAS No:</b>   | <b>50-21-5</b>  |
| <b>CFR No:</b>   | <b>184.1061; 117</b>  |
| <b>Chemical name or Synonyms:</b>                      | <b>2-Hydroxy propanoic Acid</b>   |
| <b>Empirical Formula:</b>                              | <b>C<sub>3</sub>H<sub>6</sub>O<sub>3</sub></b>  |
| <b>Declaration in USA:</b>                             | <b>Natural</b>  |
| <b>EEC:</b>  | <b>Natural flavoring substance</b>  |
| <b>Appearance:</b>                                     | <b>Colorless to pale yellow liquid</b>  |
| <b>Odor:</b>   | <b>Characteristic</b>   |
| <b>Boiling Point:</b>                                  | <b>122°C</b>  |
| <b>Flash Point:</b>                                    | <b>&gt;110°C</b>  |
| <b>Specific Gravity @ 25°C:<br/>(for liquids only)</b> | <b>1.200-1.210</b>  |
| <b>Refractive Index @ 20°C:<br/>(for liquids only)</b> | <b>1.413-1.429</b>  |
| <b>Purity (Titrimetry):</b>                            | <b>87% Min</b>  |
| <b>Solubility:</b>                                     | <b>Soluble in water, glycerol, glycol, oils and alcohol</b>   |
| <b>Storage and Shelf Life:</b>                         | <b>Store under cool conditions in a clean environment away from light and ignition sources. Recommended storage in unopened containers – 36 Months shelf life</b> |

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