

# Product Specification



The Natural Choice for Flavor  
and Fragrance Ingredients

<b>Product:</b>	<b>Gamma Valerolactone, Natural</b>
<b>FEMA No:</b>	<b>3103</b>
<b>CAS No:</b>	<b>108-29-2</b>
<b>CFR No:</b>	<b>117</b>
<b>Chemical name or Synonyms:</b>	<b>4-Hydroxy pentanoic acid gamma lactone</b>
<b>Empirical Formula:</b>	<b>C<sub>5</sub>H<sub>8</sub>O<sub>2</sub></b>
<b>Declaration in USA:</b>	<b>Natural</b>
<b>EEC:</b>	<b>-</b>
<b>Appearance:</b>	<b>Colorless to slightly yellow liquid</b>
<b>Odor:</b>	<b>Sweet, herbaceous</b>
<b>Flash Point:</b>	<b>81°C</b>
<b>Specific Gravity @ 25°C: (for liquids only)</b>	<b>1.047-1.054</b>
<b>Refractive Index @ 20°C: (for liquids only)</b>	<b>1.431-1.434</b>
<b>Purity (GLC):</b>	<b>98% Min</b>
<b>Solubility:</b>	<b>Soluble in alcohol and fixed oils; slightly soluble in water</b>
<b>Storage and Shelf Life:</b>	<b>Store cool in tightly closed container away from light and ignition source. 12 months shelf life</b>

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