

# Product Specification



The Natural Choice for Flavor  
and Fragrance Ingredients

<b>Product:</b>	<b>Gamma Undecalactone (Aldehyde C-14), Natural</b>
<b>FEMA No:</b>	<b>3091</b>
<b>CAS No:</b>	<b>104-67-6</b>
<b>CFR No:</b>	<b>117</b>
<b>Chemical name or Synonyms:</b>	<b>Aldehyde C-14</b>
<b>Empirical Formula:</b>	<b>C<sub>11</sub>H<sub>20</sub>O<sub>2</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 viscous liquid</b>
<b>Odor:</b>	<b>Strong, fruity, peach-like</b>
<b>Optical Rotation:</b>	<b>+25 – +40°</b>
<b>Boiling Point:</b>	<b>297°C</b>
<b>Flash Point:</b>	<b>&gt;110°C</b>
<b>Specific Gravity @ 25°C: (for liquids only)</b>	<b>0.938-0.948</b>
<b>Refractive Index @ 20°C: (for liquids only)</b>	<b>1.448-1.459</b>
<b>Purity (GLC):</b>	<b>96% Min</b>
<b>Solubility:</b>	<b>soluble in alcohol, most fixed oils and propylene glycol; insoluble in glycerol and water</b>
<b>Storage and Shelf Life:</b>	<b>Store cool in containers with poly liner or glass amber bottles away from light 36 months shelf life</b>

Revision #3 August 12, 2022