

# Product Specification



The Natural Choice for Flavor  
and Fragrance Ingredients

<b>Product:</b>	<b>Valeric Acid, Natural</b>
<b>FEMA No:</b>	<b>3101</b>
<b>CAS No:</b>	<b>109-52-4</b>
<b>CFR No:</b>	<b>117</b>
<b>Chemical name or Synonyms:</b>	<b>Pentanoic acid</b>
<b>Empirical Formula:</b>	<b>C<sub>5</sub>H<sub>10</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, clear liquid</b>
<b>Odor:</b>	<b>Characteristic, disagreeable rancid, cheese-like</b>
<b>Boiling Point:</b>	<b>~185°C</b>
<b>Flash Point:</b>	<b>~89°C</b>
<b>Specific Gravity @ 25°C: (for liquids only)</b>	<b>0.923-0.942</b>
<b>Refractive Index @ 20°C: (for liquids only)</b>	<b>1.406-1.411</b>
<b>Purity (GLC):</b>	<b>98% Min</b>
<b>Solubility:</b>	<b>Soluble in alcohol and ether; insoluble in water</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 – 24 Months shelf life</b>

Revision #2 8/21/2022