

# Product Specification



The Natural Choice for Flavor  
and Fragrance Ingredients

<b>Product:</b>	<b>Alpha Pinene (1S), Natural</b>
<b>FEMA No:</b>	<b>2902</b>
<b>CAS No:</b>	<b>80-56-8</b>
<b>CFR No:</b>	<b>117</b>
<b>Chemical name or Synonyms:</b>	<b>2,6,6-trimethylbicyclo[3,1,1]-heptene</b>
<b>Empirical Formula:</b>	<b>C<sub>10</sub>H<sub>16</sub></b>
<b>Declaration in USA:</b>	<b>Natural</b>
<b>EEC:</b>	<b>Natural flavoring substance</b>
<b>Appearance:</b>	<b>Colorless Liquid</b>
<b>Odor:</b>	<b>Pine</b>
<b>Boiling Point:</b>	<b>155-156°C</b>
<b>Flash Point:</b>	<b>32°C</b>
<b>Optical Rotation:</b>	<b>-50° - -20°</b>
<b>Specific Gravity @ 25°C: (for liquids only)</b>	<b>0.850 - 0.864</b>
<b>Refractive Index @ 20°C: (for liquids only)</b>	<b>1.460-1.470</b>
<b>Purity (GLC):</b>	<b>95% min</b>
<b>Solubility:</b>	<b>Insoluble in water</b>
<b>Storage and Shelf Life:</b>	<b>Store under nitrogen in cool, dry area away from heat and flame. 24 Months shelf life</b>

Revision #5 8/5/2022