

# Product Specification



The Natural Choice for Flavor  
and Fragrance Ingredients

<b>Product:</b>	<b>Delta-3-Carene, Natural</b>
<b>FEMA No:</b>	<b>3821</b>
<b>CAS No:</b>	<b>13466-78-9</b>
<b>CFR No:</b>	<b>117</b>
<b>Chemical name or Synonyms:</b>	<b>Isodiprene</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 to pale yellow liquid</b>
<b>Odor:</b>	<b>Citrus sweet</b>
<b>Boiling Point:</b>	<b>169-174°C</b>
<b>Flash Point:</b>	<b>46°C</b>
<b>Optical Rotation @25°C:</b>	<b>7.00 – 15.00</b>
<b>Specific Gravity @ 25°C: (for liquids only)</b>	<b>0.860-0.868</b>
<b>Refractive Index @ 20°C: (for liquids only)</b>	<b>1.468-1.478</b>
<b>Purity (GLC):</b>	<b>92% Min</b>
<b>Solubility:</b>	<b>Insoluble in water, soluble in organic solvents</b>
<b>Storage and Shelf Life:</b>	<b>Store under nitrogen at 4°C in tightly sealed original containers protected from light and ignition sources. 24 months shelf life</b>

Revision #3 8/10/2022