

# Product Specification



The Natural Choice for Flavor  
and Fragrance Ingredients

<b>Product:</b>	<b>D-Limonene, Natural</b>
<b>FEMA No:</b>	<b>2633</b>
<b>CAS No:</b>	<b>5989-27-5</b>
<b>CFR No:</b>	<b>117</b>
<b>Chemical name or Synonyms:</b>	<b>1-methyl-4-(1-methylethenyl)-cyclohexene; 4-isopropenyl-1-methylcyclohexene</b>
<b>Empirical Formula:</b>	<b>C<sub>10</sub>H<sub>16</sub>O</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>Citrus</b>
<b>Boiling Point:</b>	<b>176°C</b>
<b>Flash Point:</b>	<b>48°C</b>
<b>Specific Gravity @ 25°C: (for liquids only)</b>	<b>0.838-0.848</b>
<b>Refractive Index @ 20°C: (for liquids only)</b>	<b>1.466-1.476</b>
<b>Purity (GLC):</b>	<b>97% Min</b>
<b>Solubility:</b>	<b>Insoluble in water; soluble in organic solvents</b>
<b>Storage and Shelf Life:</b>	<b>Store in a cool, dry area away from heat and light under nitrogen. 24 months shelf life</b>

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