

# Product Specification



The Natural Choice for Flavor  
and Fragrance Ingredients

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|--|---|
| <b>Product:</b>  | <b>Cinnamic Aldehyde, Natural</b>   |
| <b>FEMA No:</b>  | <b>2286</b>   |
| <b>CAS No:</b>   | <b>104-55-2</b>   |
| <b>CFR No:</b>   | <b>117</b>  |
| <b>Chemical name or Synonyms:</b>                      | <b>3-Phenylpropenal; cinnamaldehyde</b>   |
| <b>Empirical Formula:</b>                              | <b>C<sub>9</sub>H<sub>8</sub>O</b>  |
| <b>Declaration in USA:</b>                             | <b>Natural</b>  |
| <b>EEC:</b>  | <b>Natural flavoring substance</b>  |
| <b>Appearance:</b>                                     | <b>Yellow liquid</b>  |
| <b>Odor:</b>   | <b>Strong cinnamon</b>  |
| <b>Boiling Point:</b>                                  | <b>248-250°C</b>  |
| <b>Flash Point:</b>                                    | <b>71°C</b>   |
| <b>Specific Gravity @ 25°C:<br/>(for liquids only)</b> | <b>1.044-1.058</b>  |
| <b>Refractive Index @ 20°C:<br/>(for liquids only)</b> | <b>1.613-1.625</b>  |
| <b>Purity (GLC):</b>                                   | <b>98% Min</b>  |
| <b>Solubility:</b>                                     | <b>Insoluble in water, miscible in oils and ethanol</b>   |
| <b>Storage and Shelf Life:</b>                         | <b>Store under cool conditions in a clean environment away from heat and ignition sources. Recommended storage in unopened containers<br/>12 months shelf life – Under Nitrogen</b> |

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