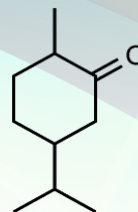


## TETRAHYDROCARVONE

Cyclohexanone, 2-methyl-5-(1-methylethyl)-



**BRI Number:** 975-SUS  
**CAS Number:** 59471-80-6  
**FEMA Number:** 3176  
**FLAVIS Number:** 07.092  
**GB Number:** S0868

**Molecular Weight:** 154.25  
**Molecular Formula:** C<sub>10</sub>H<sub>18</sub>O

### FRAGRANCE APPLICATION

**Olfactive Description:** A mintier odor than l-carvone.  
**Fragrance Use:** For a minty note in herbaceous fragrance compositions.

### DETAILS

**Suggested Use Level:** 1% - 3%  
**Tenacity on Blotter:** >4 Hours

### SPECIFICATIONS

**Minimum Purity:** 97.0% (sum of isomers)  
• **Main Isomer:** Not applicable  
• **Secondary Isomer:** Not applicable

**Appearance:** Colorless liquid

**Additives:** None

### TECHNICAL

**Log P:** 2.87  
**Flash Point:** 180°F (CC)  
**Boiling Point:** 212.98°C (EPI 4.0)  
**Vapor Pressure:** 0.19 mmHg at 20°C  
**Solubility:** Insoluble in water; soluble in alcohol  
**Nature Identical:** Yes

### FLAVOR APPLICATION

**Taste Description:** Woody, herbal, spearmint with slight cooling aftertaste.  
**Flavor Use:** Used for herbal notes in spearmint and peppermint and in mint applications such as herbal tea and oral care products.

### DETAILS

**Suggested Use Level:** 1 - 10 PPM

### SPECIFICATIONS

**Minimum Purity:** 97.0% (sum of isomers)  
• **Main Isomer:** Not applicable  
• **Secondary Isomer:** Not applicable

**Appearance:** Colorless liquid

**Additives:** None

### TECHNICAL

**Log P:** 2.87  
**Flash Point:** 180°F (CC)  
**Boiling Point:** 212.98°C (EPI 4.0)  
**Vapor Pressure:** 0.19 mmHg at 20°C  
**Solubility:** Insoluble in water; soluble in alcohol  
**Nature Identical:** Yes  
**Kosher:** No  
**Halal:** No