

## Product Specification

Product code:	1246
Product name:	Natural D-Carvone
Chemical name or synonyms:	(5S) 2-methyl-5-isopropenyl-2-cyclohexen-1-one
Empirical formula:	C <sub>10</sub> H <sub>14</sub> O
Declaration in USA:	Natural
EU:	Natural Flavoring Substance
Appearance:	Colorless to pale yellow liquid
Odor:	Caraway, Dill, Minty
Melting point (for solids only):	N/a
Boiling point:	230°C
Flash point:	95.5°C
Specific gravity @ 20°/20°C:	0.957 – 0.967
Refractive index @ 20°C:	1.491 – 1.501
Optical Rotation:	+50.0° to +60.0°
Assay (by GLC):	98% min.
%ee (by Chiral GC):	94% min. (%S: 97% min. and %R: 3% max.)
Solubility:	Insoluble in water; soluble in most organic solvents.
Storage and shelf life:	In tightly closed container away from light & source of ignition <b><u>under N<sub>2</sub></u></b> at max. 20°C; 36 months
FEMA No.:	2249
CFR No.:	172.510
EINECS No.:	218827-2
CAS No.:	2244-16-8
CoE No.:	146
HS code:	2914.29.5000
FLAVIS No.:	7.146