



Product Specification

Product code:	1249
Product name:	Natural Alpha Pinene
Chemical name or synonyms:	(1S,5S)-2,6,6-trimethyl-Bicyclo[3.1.1]hept-2-ene
Empirical formula:	C ₁₀ H ₁₆
Declaration in USA:	Natural
EU:	Natural Flavoring Substance
Appearance:	Colorless to pale yellow liquid
Odor:	Pine
Boiling point:	155-156°C
Flash point:	32.22°C
Specific gravity @ 20°/20°C:	0.854 - 0.864
Specific gravity @ 25°/25°C:	0.851 - 0.861
Refractive index @ 20°C:	1.460 - 1.470
Optical Rotation:	-50° to -20°
Assay (by GLC):	95% min.
% ee (by Chiral GC):	50% min. (%R: 25% max. and %S: 75% min.)
Solubility:	Insoluble in water; soluble in most organic solvents.
Storage and shelf life:	In tightly closed container away from light and source of ignition <u>under nitrogen at max. 4°C</u> ; 12 months min.
FEMA No.:	2902
CFR No.:	172.510
EINECS No.:	201-291-1
CAS No.:	7785-26-4/80-56-8
CoE No.:	2113
HS code:	2902.19.0050
FLAVIS No.:	1.004

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