

PINE
ESSENTIAL OIL
(Pinus sylvestris)



ALTA OILS LTD

www.altaoils.com

APPEARANCE	COLOUR	ODOR
transparent fluid	light yellow	specific of pine tree

Relative density (g/cm ³)	from 0.860 to 0.870
Refractive index (20°C)	from 1.4725 to 1.4765
Optical rotation (20°C) (°)	from -19 to -25
Solubility in 95% ethanol (V/V)	1 : 10
Acid value, mg KOH/g	not more than 1.0
Ester value, mg KOH/g	from 5.0 to 15.0

CONTENTS OF CHARACTERISTIC INGREDIENTS (BY GC), %

α-pinene	more than 30
β-pinene	more than 15

THERAPEUTIC PROPERTIES

The therapeutic properties of pine oil are antimicrobial, antineuralgic, antirheumatic, antiseptic, antiviral, bactericidal, balsamic, cholagogue, deodorant, diuretic, expectorant, hypertensive, insecticidal, restorative, rubefacient, and adrenal cortex stimulant, as well as a stimulant to the circulation and nervous system.