



# Bulk Naturals Wholesale LLC

**bulknaturalswholesale.com**

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## PINE ESSENTIAL OIL

CERTIFICATE OF ANALYSIS

LOT: BN5003010821/E

**Manufacture Date:** June 2022

**Expiration Date:** June 2024

**QA Signature:** Steven Konert

Specification	Parameter	Results
Appearance	Colorless to pale yellow liquid.	Complies
Odor	Characteristic pine odor.	Complies
Solubility	Insoluble in water.	Complies
Specific Gravity	0.857 - 0.885@ 20°C.	0.8654
Refractive Index	1.461 - 1.480@ 20°C.	1.4760
Optical Rotation	-4° to -10°	-4°
$\alpha$ -Pinene	40.0% to 80.0%	44.03 %
Camphene	1.0% to 5.0%	3.70%
$\beta$ -Pinene	10.0 to 30.0%	25.34 %
$\beta$ -myrcene	-----	5.57 %
Limonene	2.0% to 10.0%	7.20%
$\beta$ -phellandrene	-----	2.62 %

**This product is sourced from a supplier as organic.**

**Storage:** Store in tight containers; in a cool dry area; away from direct sunlight.

Shelf life is guaranteed for two years from the date of production if the product is stored in the unopened original container between 15°C - 30°C, protected from light. Containers that have been opened should be tested at least yearly to ensure potency. Although Bulk Naturals Wholesale LLC. believes the above information to be accurate based on the information available to Bulk Naturals, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to using to verify that the product purchased from Bulk Naturals meets their quality requirements and is appropriate for the use to which the product is to be put. The information provided above shall be considered effective only for the lot with which the information is being provided. Use and purchase of this material are subject to Bulk Naturals Wholesale LLC. standard terms and conditions, which supersede any conflicting terms contained on the Buyer's purchase order or any document or instrument supplied by the Buyer.