



Bulk Naturals Wholesale LLC

bulknaturalswholesale.com

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BLACK PEPPER ESSENTIAL OIL

CERTIFICATE OF ANALYSIS

LOT: BN5002011221/E

Manufacture Date: June 2022

Expiration Date: June 2025

QA Signature: Steven Konert

Specification	Parameter	Result
Appearance	Colorless to very pale bluish green liquid.	Complies
Odor	Charcteristic black pepper odor.	Complies
Solubility	Insoluble in water.	Complies
Specific Gravity	0.8600 to 0.9100 @ 20°C.	0.8667
Optical Gravity	-20° to +4°	-13.40°
Refractive Index	1.4700 to 1.4900 @ 20°C.	1.4761
α- Pinene	8 - 20%	15.98
β-Pinene	10 - 15%	12.29
Sabinene	5 - 15%	15.00
Lmonene	10 - 20%	15.00

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 Buyer.