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Wholesale Botanics  
10227 Southard Dr,  
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## Wholesale Botanics, Inc.

**SUPPLIER NAME:** WHOLESale BOTANICS, INC  
**EMAIL:** compliance@wholesalebotanics.com  
**PRODUCT NAME:** Black Pepper Essential Oil  
**MANUFACTURE DATE:** 07/31/2023  
**LOT NUMBER:** HMS06192024

### CERTIFICATE OF ANALYSIS

#### Analytical Data

<b>Botanical Name</b>	Piper nigrum	<b>Criterion of Detection</b>	Pharmacopoeia
<b>CAS Number</b>	8006 - 82- 4	<b>Batch Number</b>	PEBHMBPNINC002A
<b>Parts Used</b>	Berry	<b>Best By</b>	07/29/2026
<b>Extraction Method</b>	Steam Distilled	<b>Ingredients</b>	Piper nigrum (Black Pepper) Oil

Item	Result	Standard
Appearance	Complies	Yellow liquid
Smell	Complies	Spicy, Warm, Woodsy
20°C Relative Density/Specific Gravity	0.873	0.864 - 0.884
20°C Refractive Index	1.484	1.470 - 1.488
20°C Optical Rotation	- 15.5°	- 1° to - 23°