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Wholesale Botanics
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Wholesale Botanics, Inc.

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Annapolis Junction, Maryland 20701

SUPPLIER NAME & LOCATION WHOLESALEBOTANICS.COM, INC
ATTENTION: Quality Control & Records
EMAIL: quality@wholesalebotanics.com
INGREDIENT NAME: Black Pepper Essential Oil
DATE OF GOODS RECEIVED: 06/19/2024
LOT NUMBER: HMSEA06192024

CERTIFICATE OF ANALYSIS

Analytical Data

| | | | |
|-----------------------|----------------------------|-------------------------------|-----------------|
| Product Name | Black Pepper Essential Oil | Criterion of detection | Pharmacopoeia |
| Batch number | PEBHMBPNINC002A | | |
| Botanical name | Piper Nigrum | Expiry date | 06/19/2026 |
| Parts Used | Peppercorns | Extraction Method | Steam Distilled |

| Item | Standard | Result |
|-----------------------|-------------------------------------------|-------------------------------------------|
| Appearance | Colorless to light greenish yellow liquid | Colorless to light greenish yellow liquid |
| Smell | Unique aroma of pepper | Unique aroma of pepper |
| 20°C Relative Density | 0.864 to 0.884 | 0.8731 |
| 20°C Refractive Index | 1.470 to 1.488 | 1.4835 |
| Optical rotation | -10° to -23° | -15.5° |