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Wholesale Botanics  
5900 NE 88<sup>th</sup> Street  
Vancouver, WA 98229  
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## Wholesale Botanics, Inc.

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Vancouver, WA 98229

**SUPPLIER NAME & LOCATION:** WHOLESALBOTANICS.COM, INC – 5900 NE 88<sup>th</sup> Street, Vancouver WA 98229  
**ATTENTION:** Quality Control & Records  
**EMAIL:** quality@wholesalebotanics.com  
**INGREDIENT NAME:** Ginger Root Essential Oil  
**DATE OF GOODS RECEIVED:** 4/5/2024  
**LOT NUMBER:** GLSEA11142023

## CERTIFICATE OF ANALYSIS

### Analytical Data

<b>Product Name</b>	Ginger Root Essential Oil	<b>Criterion of detection</b>	Pharmacopoeia
<b>Batch number</b>	GIRHMUZOINC001A		
<b>Botanical name</b>	Zingiber officinale	<b>Expiry date</b>	4/5/2024
<b>Parts Used</b>	Root	<b>Extraction Method</b>	Steam Distillation
<b>Item</b>	<b>Standard</b>	<b>Result</b>	
Appearance	Pale yellow to brownish yellow	Pale yellow to brownish yellow	
Smell	Unique aroma of ginger root	Unique aroma of ginger root	
20°C Relative Density	0.870 to 0.882	0.8763	
20°C Refractive Index	1.480 to 1.494	1.4735	
Optical rotation	-24° to -58°	-31.3°	