

*Certificate Of Analysis*  
**SPEARMINT ESSENTIAL OIL**  
*MENTHA SPICATA*

Production Date: 10-03-19

Botanical Origin: OREGON

Lot#: 150-5100316857

**Product Information**

Extraction Method: STEAM DISTILLED

Parts Used: LEAVES

Quality: 100% PURE ORGANIC

Cultivation: FARMED

Shelf Life: 2 YEARS

**Analysis Specifications**

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PHYSICAL

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ANALYSIS.....METHOD.....RESULTS

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Specific Gravity @ 25°C...USP <841>.....0.926

Optical Rotation @ 25°C...USP <781A>.....-53.1

Index Refraction @ 20°C...USP <831>.....1.48635

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ANALYTICAL

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CONSTITUENT.....METHOD.....RESULTS

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l-Limonene %.....NW1-001.01.1.....12.32

l-Carvone %.....NW1-001.01.1.....66.26

cis-Dihydrocarvone %.....NW1-001.01.1.....1.11

trans-Dihydrocarvyl acetate %...NW1-001.01.1.....0.76

Cis-Jasmone %.....NW1-001.01.1.....0.34