

# Certificate of Analysis

<b>Product:</b>	Black Pepper Essential Oil
<b>Botanical Name:</b>	Piper nigrum
<b>LOT #:</b>	LBPEPORG160425
<b>Manufacturing Date:</b>	08/18/2016
<b>Best by Date:</b>	08/18/2018
<b>Extraction Method:</b>	Steam Distilled
<b>Part Used:</b>	Dried, Crushed Peppercorns
<b>Quality:</b>	Pure & Natural
<b>Cultivation:</b>	100% Natural - Chemical & Pesticide Free
<b>Country of Origin:</b>	Madagascar

	<b>Specification</b>	<b>Result</b>
<b>Appearance:</b>	Brownish yellow free flowing liquid	Complies
<b>Odor:</b>	Characteristic spicy pepper odor	Complies
<b>Solubility:</b>	Soluble in alcohol and oils, Insoluble in water	Complies
<b>Specific Gravity:</b>	0.853 – 0.880 @ 25 Deg. C	0.873 (Complies)
<b>Optical Rotation:</b>	-1.0 – -26 @ 20°C	-12.5° (Complies)
<b>Refractive Index:</b>	1.478 – 1.488 @ 25 Deg. C	1.485 (Complies)

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