

## Certificate of Analysis

Product: Nutmeg Oil (Indonesia)  
Botanical Name: *Myristica fragrans*  
Origin: Indonesia  
Plant part used: Seed  
Extraction method: Steam Distillation

<b>Physical data</b>	<b><u>Specification<sup>2</sup></u></b>	<b><u>Result</u></b>
Appearance:	Clear mobile liquid	Complies
Colour:	Colourless to Pale Yellow	Complies
Odour:	Characteristic	Complies
Specific Gravity at 20 <sup>0</sup> C:	0.8850 to 0.9250	0.9029
Refractive index at 20 <sup>0</sup> C:	1.4700 to 1.4950	1.4822
Optical Rotation:	+20.00 <sup>0</sup> to -10.00 <sup>0</sup>	+11.90 <sup>0</sup>

### Chromatographic Profile

<b>Sample</b>	<b>Component</b>	<b>Specification<sup>2</sup> Peak Area<sup>1</sup> (%)</b>	<b>Result Peak Area<sup>1</sup> (%)</b>
<i>Myristica fragrans</i>	a-Pinene	10 to 30	20.19
	Sabinene	5 to 25	18.48
	b-Pinene	5 to 25	14.42
	Terpinene-4-ol	Trace to 12	4.92
	Safrole	Trace to 10	0.95
	Myristicin	5 to 25	12.03