

Certificate of Analysis

Product: Elemi Oil (Philippines)

Botanical Name: *Canarium luzonicum*

Part of Plant: Gum

Extraction: Steam distilled

Physical data	<u>Specification</u>	<u>Result</u>
Appearance:	Clear, mobile liquid	Complies
Colour:	Pale yellow to deep yellow	Complies
Odour:	Characteristic	Complies
Specific Gravity at 20°C:	0.840 to 0.899	0.867
Refractive index at 20°C:	1.450 to 1.490	1.478
Optical rotation at 20°C:	+38° to +100°	+66°

Chromatographic Profile

Sample	Component	Specification Peak Area (%)	Result Peak Area (%)
<i>Canarium luzonicum</i>	a-Pinene	Trace to 8.0	0.4
	a-Phellandrene	8.0 to 28.0	15.2
	d-Limonene	35.0 to 75.0	61.5
	a-Terpineol	Trace to 5.0	1.7
	Elemicin	Trace to 10.0	2.0
	Elemol	Trace to 28.0	6.6