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## Certificate of Analysis

Product: Patchouli Essential Oil-Dark  
Botanical name: *Pogostemon cablin*  
CAS #: 8014-09-3 / 84238-39-1  
Batch number: VAN/18-28II/2  
Country of Origin: Indonesia  
Date of MFG: 01-FEB-2018  
Expiration date: 01-FEB-2022

Parameters	Specification	Results
State	Slightly viscous liquid	Complies
Colour	Brown to dark brown	Complies
Odour	Sweet-herbaceous, aromatic-spicy and woody-balsamic	Complies
Specific Gravity / (g/cm <sup>3</sup> ) @ 20°C	0.950 – 0.965	0.959
Refractive Index @ 20°C	1.505 – 1.515	1.509
Optical Rotation @ 25°C		-49.06°
Acid Value (mgKOH/gms)		3.72
Purity by GLC		30.45% (Patchouli alcohol)

**Storage:** Store in well-filled, tightly sealed containers, in a cool dry place, away from direct sunlight.

This document is a computer generated certificate of analysis and does not require a signature.