

November 1, 2023

## PATCHOULI (DARK) ESSENTIAL OIL

EAI Item Code	:	100384
EAI Batch (Lot)	:	2320101
Botanical Name	:	<i>Pogostemon cablin</i>
Country of Origin	:	INDONESIA
Processing Procedure	:	Steam distillation
Mfg. Date	:	05.11.2023
Exp. Date	:	05.11.2026

## CHARACTERISTICS

Specific Gravity @ 20°C	:	0.971
Refractive Index @ 20°C	:	1.510
Optical Rotation	:	-50.5°

## MAIN CONSTITUENTS (GC %)

Patchouli Alcohol	:	32.3
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This computerized document is not signed.

The information contained herein is offered in good faith. Elixens America, Inc. assumes no liability for loss or damage based on the use of this information since product variability can occur due to storage conditions, time, and use which is beyond the control of Elixens America, Inc.



## Certificate of Analysis

<b>Product</b>	PATCHOULI ESSENTIAL OIL
<b>LOT #</b>	2328041
<b>Manufacturing Date</b>	07/2022
<b>Best Before</b>	07/2025

Properties	Specifications	Results
Appearance		Conform to Standard
Odor		Conform to Standard
Color		Conform to Standard
Refractive Index 20°C	$\geq 1.5070 \leq 1.5150$	1.511
Specific Gravity 20°C	$\geq 0.9530 \leq 0.9780$	0.973
Optical Rotation		-49.5

This Certificate of Analysis was created by the manufacturer/distiller of this product. This information is believed to be up-to-date and correct; however, it is provided without any warranty. The customer is responsible for examining the product upon arrival and determining the safe use of the product in order to be in compliance with all applicable laws and regulations. The product must be stored in a cool, dry place away from direct light and heat, tightly sealed and away from children, the mentally infirm and pets. All responsibility (including damage or injury) for the use of this and any other product purchased from Camden-Grey Essential Oils, Inc. rests with the purchaser/user. Camden-Grey's liability is limited to the paid value of this product.

Regarding 'Best Before' information: This is the date the distiller or manufacturer suggests as the 'best before date' up to which this product should be good and usable when stored in the manner described above. The 'Best Before' information does not mean the product is no longer usable or that it will self-destruct at midnight on the mentioned date.



## Certificate of Analysis

<b>Product</b>	PATCHOULI ESSENTIAL OIL
<b>LOT #</b>	2122101
<b>Manufacturing Date</b>	9/2021
<b>Shelf Life</b>	3 years

Properties	Specifications	Results
Appearance		Conform to Standard
Odor		Conform to Standard
Color		Conform to Standard
Refractive Index 20°C	$\geq 1.5070 \leq 1.5150$	1.509
Specific Gravity 20°C	$\geq 0.9530 \leq 0.9780$	0.961

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## Certificate of Analysis

<b>Product</b>	PATCHOULI ESSENTIAL OIL
<b>LOT #</b>	2111082
<b>Manufacturing Date</b>	3/2021
<b>Shelf Life</b>	3 years

Properties	Specifications	Results
Appearance		Conform to Standard
Odor		Conform to Standard
Color		Conform to Standard
Refractive Index 20°C	$\geq 1.5070 \leq 1.5150$	1.5091
Specific Gravity 20°C	$\geq 0.9530 \leq 0.9780$	0.9618

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## Certificate of Analysis

<b>Product</b>	PATCHOULI ESSENTIAL OIL
<b>LOT #</b>	MD90028
<b>Shelf Life</b>	2 years

Properties	Specifications	Results
Appearance		Conform to Standard
Odor		Conform to Standard
Color		Conform to Standard
Optical Rotation	$\geq -65 \leq -48$	-50.24
Patchouli Alcohol	$\geq 34$	36.60
Refractive Index 20°C	$\geq 1.5070 \leq 1.5150$	1.5103
Specific Gravity 20°C	$\geq 0.9530 \leq 0.9780$	0.9687
Specific Gravity 25°C	$\geq 0.9500 \leq 0.9750$	0.9657
Flash Point		190 F / 88 C

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## Certificate of Analysis

**Product** PATCHOULI ESSENTIAL OIL  
**Lot #** 2018041  
**Shelf Life** 3 years

	Specifications	Results
Appearance	Liquid	Conform
Odor	Characteristic	Conform
Specific Gravity 20 <sup>o</sup> C		0.971
Refractive Index 20 <sup>o</sup> C		1.510
Optical Rotation 20 <sup>o</sup> C		-49.6 <sup>o</sup>

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## Certificate of Analysis

**Product** PATCHOULI ESSENTIAL OIL  
**Lot #** 2002710  
**Shelf Life** 3 years

Properties	Specifications	Results
Appearance	Liquid	Conform
Odor	Characteristic	Conform
Specific Gravity 20° C		0.9660
Refractive Index 20° C		1.5097

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## Certificate of Analysis

<b>Product</b>	PATCHOULI ESSENTIAL OIL
<b>Lot #</b>	R-102844
<b>Shelf Life</b>	2 years

Properties	Results
Color	Amber-Brown Liquid
Analysis by GC	Conforms to standard
Odor Description	Conforms to standard
Refractive Index @20 DEG C	1.5103
Specific Gravity @25 DEG C	0.9690

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## Certificate of Analysis

**Product** PATCHOULI ESSENTIAL OIL  
**Lot #** 1916081  
**Shelf Life** 3 years

Properties	Specifications	Results
Appearance	Liquid	Conform
Odor	Characteristic	Conform
Specific Gravity 25 <sup>o</sup> C		0.9658
Refractive Index 20 <sup>o</sup> C		1.5097

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