



## 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

This Certificate of Analysis was created by the manufacturer/distiller of the 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. Essential oils shipped in amber plastic pharmaceutical grade bottles must be transferred to amber glass upon arrival, those shipped in aluminum bottles may be stored in such bottles for a minimum of 6 months, tightly sealed. 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.



## 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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