



## Certificate of Analysis

<b>Product</b>	LEMONGRASS ESSENTIAL OIL
<b>LOT #</b>	01006254
<b>Manufacturing Date</b>	09/2022
<b>Shelf Life</b>	1.5 years

Properties	Specifications	Results
Appearance	Liquid	Conform
Color	Orange Yellow – Dark Brown	Conform
Odor	Characteristic	Conform
Refractive Index 20°C	1.4830 – 1.4890	1.4847
Specific Gravity 20°C	0.8850 – 0.9050	0.8963
Optical Rotation	-3.00 to 1.00	-1.71
Flash Point °F (close up)		174

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** LEMONGRASS ESSENTIAL OIL  
**LOT #** MD96421  
**Shelf Life** 1.5 years

Properties	Specifications	Results
Appearance	Liquid	Conform
Odor	Characteristic	Conform
Color		Conform to Standard
Optical Rotation	$\geq -10 \leq 0.0$	-1.96
Purity	$\geq 75$	75.024
Refractive Index 20°C	$\geq 1.4830 \leq 1.4890$	1.4853
Specific Gravity 20°C	$\geq 0.8720 \leq 0.8970$	0.8963
Specific Gravity 25°C	$\geq 0.8690 \leq 0.8940$	0.8933
Flash Point		163 F / 73 C

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## Certificate of Analysis

**Product** LEMONGRASS ESSENTIAL OIL  
**LOT #** MD94943  
**Shelf Life** 1.5 years

Properties	Specifications	Results
Appearance	Liquid	Conform
Odor	Characteristic	Conform
Color		Conform to Standard
Optical Rotation	$\geq -10 \leq 0.0$	-7.72
Purity	$\geq 75$	75.997
Refractive Index 20°C	$\geq 1.4830 \leq 1.4890$	1.4856
Specific Gravity 20°C	$\geq 0.8720 \leq 0.8970$	0.8941
Specific Gravity 25°C	$\geq 0.8690 \leq 0.8940$	0.8911
Flash Point		163 F / 73 C

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## Certificate of Analysis

<b>Product</b>	LEMONGRASS ESSENTIAL OIL
<b>Lot #</b>	B-78974
<b>Shelf Life</b>	2 years

Properties	Specifications	Results
Appearance	Liquid	Conforms
Odor	Characteristic Lemon	Conforms to Standard
Color	Pale Yellow	Conforms
Analysis by GC		80.9900 total Citral by GC
Refractive Index 20 <sup>o</sup> C		1.4840
Specific Gravity 25 <sup>o</sup>		0.8860

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## Certificate of Analysis

**Product** LEMONGRASS ESSENTIAL OIL  
**Lot #** R-103265  
**Shelf Life** 2 years

Properties	Specifications	Results
Appearance	Liquid	Conforms
Odor	Characteristic Lemon	Conforms to Standard
Color	Pale Yellow	Conforms
Analysis By GC		76.1400 total Citral by GC
Refractive Index 20 <sup>o</sup> C		1.4840
Specific Gravity 25 <sup>o</sup> C		0.8860

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