



Certificate of Analysis

Product	LEMONGRASS ESSENTIAL OIL
LOT #	2314116
Manufacturing Date	10/2023
Best Before	10/2026

Properties	Specifications	Results
Appearance	Clear mobile liquid	Conform
Color	Pale Yellow	Conform
Odor	Herbaceous, citrus	Conform
Refractive Index 20°C	1.483 – 1.489	1.48431
Specific Gravity 20°C	0.885 – 0.905	0.89359
Optical Rotation	-4.00 to 1.00	-2.24

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

Product	LEMONGRASS ESSENTIAL OIL
Lot #	2226082
Manufacturing Date	09/2022
Best Before	09/2025

Properties	Results
Specific Gravity @20 ^o C	0.893
Refractive Index @ 20 ^o C	1.484
Optical Rotation @ 20 ^o C	-1.28 ^o

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Certificate of Analysis

Product	LEMONGRASS ESSENTIAL OIL
LOT #	01006254
Manufacturing Date	09/2022
Shelf Life	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

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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	≥ 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	≥ 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

Product	LEMONGRASS ESSENTIAL OIL
Lot #	B-78974
Shelf Life	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 ^o C		1.4840
Specific Gravity 25 ^o		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 ^o C		1.4840
Specific Gravity 25 ^o C		0.8860

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