



## Certificate of Analysis

<b>Product</b>	LEMON ESSENTIAL OIL, ARGENTINA
<b>Lot #</b>	2224053
<b>Mfg. Date</b>	09/2022
<b>Exp. Date</b>	09/2024

Properties	Specifications	Results
Appearance	Liquid	Conform
Odor	Characteristic	Conform
Specific Gravity 20°C	0.845 – 0.854	0.853
Refractive Index 20°C	1.473 – 1.479	1.473
Optical Rotation		64.6°

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** LEMON ESSENTIAL OIL, ARGENTINA  
**Lot #** 2101422  
**Shelf Life** 1 year

Properties	Specifications	Results
Appearance	Liquid	Conform
Odor	Characteristic	Conform
Specific Gravity 20°C	0.845 – 0.854	0.8496
Refractive Index 20°C	1.473 – 1.479	1.4742

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## Certificate of Analysis

<b>Product</b>	LEMON ESSENTIAL OIL, ARGENTINA
<b>Lot #</b>	2022041
<b>Shelf Life</b>	1 year

Properties	Specifications	Results
Appearance	Limpid Liquid	Conform
Color	Yellow	Conform
Odor	Characteristic	Conform
Specific Gravity 20°C	0.845 – 0.854	0.853
Refractive Index 20°C	1.473 – 1.479	1.473
Optical Rotation	57 – 70	60.5
Acetate Geranyle	0.01 – 0.3	0.3
Acetate Neryle	0.01 – 0.5	0.4
Alpha Pinene	1.4 – 3	1.9
Alpha Terpineol	≤ 0.4	0.1
Alpha Thujene	0.2 – 0.5	0.4
Beta Bisabolene	0.2 – 0.9	0.5
Beta Pinene	7 – 16	14.4
Gamma Terpinene	6 – 12	8.2
Geranial	0.5 – 2	1.3
Limonene	59 – 75	65.1
Neral	0.2 – 1.2	0.7
Paracymene	0.05 – 0.35	0.3
Sabinene	1.4 – 3	2.3
Peroxide Value	≤ 20	5
Aldehydes Content	2.5 - 3.2	3.15

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## Certificate of Analysis

<b>Product</b>	LEMON ESSENTIAL OIL, ARGENTINA
<b>Lot #</b>	1911042
<b>Shelf Life</b>	1 year

Properties	Specifications	Results
Appearance	Limpid Liquid	Conform
Color	Yellow	Conform
Odor	Characteristic	Conform
Specific Gravity 20°C	0.845 – 0.854	0.853
Refractive Index 20°C	1.473 – 1.479	1.474
Optical Rotation	57 – 70	57.1
Acetate Geranyle	0.01 – 0.3	0.3
Alpha Pinene	1.4 – 3	2
Alpha Terpineol	≤ 0.4	0.2
Alpha Thujene	0.2 – 0.5	0.4
Beta Bisabolene	0.2 – 0.9	0.5
Beta Pinene	7 – 16	14.5
Gamma Terpinene	6 – 12	8.8
Geranial	0.5 – 2	1.2
Limonene	59 – 75	63.5
Neral	0.2 – 1.2	0.7
Paracymene	0.05 – 0.35	0.2
Sabinene	1.4 – 3	2.1
Peroxide Value	≤ 20	8
Aldehydes Content	2.5 - 3.2	2.8

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## Certificate of Analysis

<b>Product</b>	LEMON ESSENTIAL OIL, ARGENTINA
<b>Lot #</b>	1816701
<b>Shelf Life</b>	1 year

Properties	Specifications	Results
Appearance	Liquid	Conforms
Odor	Characteristic	Conforms to Standard
Refractive Index 20 <sup>o</sup> C		1.4741
Specific Gravity 20/20 <sup>o</sup> C		0.8504
Optical Rotation		+ 64.8 <sup>o</sup>

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## Certificate of Analysis

**Product** LEMON ESSENTIAL OIL, ARGENTINA  
**Lot #** 01004436  
**Shelf Life** 1 year

Properties	Specifications	Results
Appearance	Liquid	Conforms
Odor	Characteristic	Conforms to Standard
Color	Yellow Dark Yellow	Conforms
Refractive Index 20 <sup>o</sup> C	1.473 – 1.4760	1.4737
Refractive Index 25 <sup>o</sup> C	1.4700 – 1.4750	0.4717
Specific Gravity 20/20 <sup>o</sup> C	0.8480 – 0.8580	0.8513
Specific Gravity 25/25 <sup>o</sup> C	0.8470 – 0.8520	0.8481
Flash Point <sup>o</sup> F (Closed cup)	108 Minimum	Conforms

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## Certificate of Analysis

**Product** LEMON ESSENTIAL OIL, ARGENTINA  
**Lot #** 01003982  
**Shelf Life** 1 year

Properties	Specifications	Results
Appearance	Liquid	Conforms
Odor	Characteristic	Conforms to Standard
Color	Yellow Dark Yellow	Conforms
Refractive Index 20 <sup>o</sup> C	1.473 – 1.4760	1.4737
Refractive Index 25 <sup>o</sup> C	1.4700 – 1.4750	0.4717
Specific Gravity 20/20 <sup>o</sup> C	0.8480 – 0.8580	0.8514
Specific Gravity 25/25 <sup>o</sup> C	0.8470 – 0.8520	0.8482
Flash Point <sup>o</sup> F (Closed cup)	108 Minimum	Conforms

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