



## Certificate of Analysis

<b>Product</b>	GERANIUM ESSENTIAL OIL
<b>Lot #</b>	15268495
<b>Manufacturing Date</b>	11/29/2021
<b>Shelf Life</b>	2 years

Properties	Specifications	Results
Appearance	Liquid	Conform
Color	Yellow Green Yellow	Conform
Odor	Characteristic	Conform
Refractive Index 20 °C	1.4610 – 1.4750	1.4674
Refractive Index 25 °C	1.4610 – 1.4680	1.4654
Specific Gravity 20/20° C	0.8850 – 0.9050	0.8952
Specific Gravity 25/25° C	0.8865 – 0.8965	0.8920
Optical Rotation	-14.00 to -8.00	-12.04
Flash Point ° F (Closed Cup)	187 Minimum	Conforms

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

<b>Product</b>	GERANIUM ESSENTIAL OIL
<b>Lot #</b>	2006113
<b>Shelf Life</b>	3 years

Properties	Results
Specific Gravity @20°C	0.8900
Refractive Index @20°C	1.4682
Optical Rotation @20°C	-9.60°

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## Certificate of Analysis

<b>Product</b>	GERANIUM ESSENTIAL OIL
<b>Lot #</b>	2009012
<b>Shelf Life</b>	3 years

Properties	Results
Specific Gravity @20°C	0.8954
Refractive Index @20°C	1.4699
Optical Rotation @20°C	-9°

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## Certificate of Analysis

**Product** GERANIUM ESSENTIAL OIL  
**Lot #** 1909081  
**Shelf Life** 3 years

Properties	Specifications	Results
Appearance	Liquid	Conforms
Odor	Characteristic	Conforms to Standard
Specific Gravity 20/20 <sup>o</sup> C		0.8960
Refractive Index 20 <sup>o</sup> C		1.4676
Optical Rotation 20 <sup>o</sup>		-11.5 <sup>o</sup>

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## Certificate of Analysis

<b>Product</b>	GERANIUM ESSENTIAL OIL
<b>Lot #</b>	01004226
<b>Shelf Life</b>	1.5 years

Properties	Specifications	Results
Appearance	Liquid	Conforms
Odor	Characteristic	Conforms to Standard
Color	Yellow - Green Yellow	Conforms
Refractive Index 20 <sup>o</sup> C	1.4610 – 1.4750	1.4674
Refractive Index 25 <sup>o</sup> C	1.4610 – 1.4680	1.4654
Specific Gravity 20/20 <sup>o</sup> C	0.8850 – 0.9050	0.8954
Specific Gravity 25/25 <sup>o</sup> C	0.8865 – 0.8965	0.8922
Flash Point <sup>o</sup> F (Closed Cup)	187 Minimum	Conforms

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## Certificate of Analysis

<b>Product</b>	GERANIUM ESSENTIAL OIL
<b>Lot #</b>	01004156
<b>Shelf Life</b>	1.5 years

Properties	Specifications	Results
Appearance	Liquid	Conforms
Odor	Characteristic	Conforms to Standard
Color	Yellow - Green Yellow	Conforms
Refractive Index 20 <sup>o</sup> C	1.4610 – 1.4750	1.4674
Refractive Index 25 <sup>o</sup> C	1.4610 – 1.4680	1.4654
Specific Gravity 20/20 <sup>o</sup> C	0.8850 – 0.9050	0.8972
Specific Gravity 25/25 <sup>o</sup> C	0.8865 – 0.8965	0.8940
Flash Point <sup>o</sup> F (Closed Cup)	187 Minimum	Conforms

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