



Certificate of Analysis

Product	ORANGE, SWEET, ESSENTIAL OIL
Lot #	15279592-6
Manufacturing Date	10/2023
Best Before	02/2025

Properties	Specifications	Results
Color	Yellow - Orange	Conform
Appearance	Liquid	Conform
Odor	Characteristic	Conform
Refractive Index 20 °C	1.4700 – 1.4760	1.4725
Specific Gravity 20/20° C	0.8420 – 0.8500	0.8448
Optical Rotation	94.00 – 100.0	94.74
Flash Point ° F (Closed Cup)	Minimum117	Conform

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	ORANGE, SWEET, ESSENTIAL OIL
Lot #	15279592
Manufacturing Date	01/2023
Best Before	02/2024

Properties	Specifications	Results
Color	Yellow - Orange	Conform
Appearance	Liquid	Conform
Odor	Characteristic	Conform
Refractive Index 20 °C	1.4700 – 1.4760	1.4725
Specific Gravity 20/20° C	0.8420 – 0.8500	0.8448
Optical Rotation	94.00 – 100.0	94.74
Flash Point ° F (Closed Cup)	Minimum117	Conform

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Certificate of Analysis

Product	ORANGE, SWEET, ESSENTIAL OIL
Lot #	15272021
Manufacturing Date	04/2022
Shelf Life	1 year

Properties	Specifications	Results
Color	Yellow - Orange	Conform
Appearance	Liquid	Conform
Odor	Characteristic	Conform
Refractive Index 20 °C	1.4700 – 1.4760	1.4730
Specific Gravity 20/20° C	0.8420 – 0.8500	0.8465
Optical Rotation	94.00 – 100.0	97.09
Flash Point ° F (Closed Cup)	Minimum117	Conform

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Certificate of Analysis

Product ORANGE, SWEET, ESSENTIAL OIL
Lot # 2009041
Shelf Life 1 year

Properties	Specifications	Results
Appearance	Liquid limpid	Conform
Color	Orange	Conform
Odor	Characteristic	Conform
Specific Gravity 20/20 ^o C	0.842 – 0.850	0.843
Refractive Index 20 ^o C	1.470 – 1.476	1.473
Optical Rotation	94 – 99	98.3
Alpha Pinene	0.4 – 0.8	0.5
Alpha Sinensal	0.01 – 0.05	<0.02
Beta Pinene	0.02 – 0.15	0.02
Beta Sinensal	0.01 – 0.06	0.024
Decanal	0.1 – 0.7	0.1
Limonene	93 – 96	95.6
Linalol	0.15 – 0.7	0.2
Neral	0.03 – 0.1	0.049
Nonanal	0.01 – 0.06	0.02
Sabinene	0.2 – 0.8	0.4
Valencene	0.01 – 0.4	0.032
Myrcene+Octanal	1.6 – 3.9	1.9
Citral	≤ 0.2	0.085
Peroxide Value	≤ 20	4

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Certificate of Analysis

Product	ORANGE, SWEET, ESSENTIAL OIL
Lot #	15265464
Shelf Life	1 year

Properties	Specifications	Results
Color	Yellow - Orange	Conform
Appearance	Liquid	Conform
Odor	Characteristic	Conform
Refractive Index 20 °C	1.4700 – 1.4760	1.4733
Specific Gravity 20/20° C	0.8420 – 0.8500	0.8472
Optical Rotation	94.00 – 100.0	97.56
Flash Point ° F (Closed Cup)	Minimum117	Conform

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Certificate of Analysis

Product ORANGE, SWEET, ESSENTIAL OIL
Lot # 2009041
Shelf Life 1 year

Properties	Specifications	Results
Appearance	Liquid	Conform
Odor	Characteristic	Conform
Specific Gravity 20° C		0.8435
Refractive Index 20° C		1.4732

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Certificate of Analysis

Product ORANGE, SWEET, ESSENTIAL OIL
Lot # 1926115
Shelf Life 1 year

Properties	Specifications	Results
Appearance	Liquid	Conform
Odor	Characteristic	Conform
Specific Gravity 20° C		0.846
Refractive Index 20° C		1.473
Optical Rotation		+96.64°
Limonene		+95.86 %

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