



## Certificate of Analysis

<b>Product</b>	JOJOBA OIL (GOLDEN, NATURAL)
<b>Lot #</b>	102112
<b>Date of Production</b>	04/2022
<b>Shelf Life</b>	3 years

Properties	Specifications	Results
Acid Value	2.0 Max	0.5
Peroxide Index	10.0 Max	0.8
Specific Gravity 20/40C	0.860 – 0.873	0.8640
Iodine Value	80 – 92	83.6
Saponification Value	85.5 – 98.0	89.2

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>	JOJOBA OIL (GOLDEN, NATURAL)
<b>LOT #</b>	PAN-PG-210615
<b>Manufacturing Date</b>	06/2021
<b>Shelf Life</b>	2 years

Properties	Specifications	Results
Organoleptic characteristic	Clear liquid, neutral taste and color	Conform
Gardner Color	10 maximum	9
Acid Value	2.0 mg KOH/g maximum	0.23
Iodine Value	75 – 95 gI <sub>2</sub> /100g	83.9
Peroxide Value	10.0 meq/kg maximum	0.5
Specific Gravity 20°C	0.863 – 0.873	0.864

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<b>Product</b>	JOJOBA OIL (GOLDEN, NATURAL)
<b>LOT #</b>	9602038
<b>Shelf Life</b>	3 years

Propertie	Specifications	Results
Appearance	Transparent Yellow Oil	Conform
Volumetric weight at 25° C	0.86 – 0.87	0.86
Moisture KF	Max 0.10	0.02
Free Fatty Acids	Max 1.0	0.09
Acid value	Max 2.0	0.18
Peroxide Value	Max 2.0	0.7
Saponification value	85 – 98	97.2
Unsaponifiable matter	45 – 55	49.59
Iodine value-calculated	80 – 90	81.64
Color-Gardner	Max 10.0	7.6
Light refractive Index	1.460 – 1.468	1.4645

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**Product** JOJOBA OIL (GOLDEN, NATURAL)  
**Lot #** 101811  
**Shelf Life** 3 years

Properties	Specifications	Results
Acid Value	2.0 Max	0.3
Peroxide Index	10.0 Max	0.1
Specific Gravity 20/40C	0.860 – 0.873	0.867
Iodine Value	80 – 92	86.7
Saponification Value	85.5 – 98.0	87.9

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<b>Product</b>	JOJOBA OIL (GOLDEN, NATURAL)
<b>Lot #</b>	GP-600
<b>Shelf Life</b>	2 years

Properties	Specifications	Results
Acid Index	mg KOH/g	0.35
Peroxide Index	meq O <sub>2</sub> /kg	0.13
Color	Gardner	8.0
Refractive Index 200C		1.4662
Specific Gravity 20/40C		0.8649
Iodine Index		84.3
Unsaponifiable Matter	g/100g	48.9
Saponification Index		93.1
Aerobic Plate Count	CFU/g	<10
<b>Fatty Acid Composition (%)</b>		
Miristic Acid	%	0.1
Palmitic Acid	%	1.1
Palmitoleic Acid	%	0.2
Margaric Acid	%	<0.1
Margaroleic Acid	%	0.1
Stearic Acid	%	<0.1
Oleic Acid	%	10.2
Linoleic Acid	%	0.1
Linolenic Acid	%	0.2
Arachidic Acid	%	0.1
Gadoleic Acid	%	71.4
Behenic Acid	%	0.2
Erucic Acid	%	14.7
Lignoceric Acid	%	<0.1
Nervonic Acid	%	1.6

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