

Certificate of Analysis

Product	TUCUMA BUTTER
Lot #	316920
Shelf Life	3 years

Properties	Specifications	Results
Appearance	White Yellow Solid Fat	Conform
Odor	Characteristic Soap like	Conform
Melting Point	28 – 38 °C	32
Free Fatty Acid	0.0 – 6.00 %	0.14
Iodine Value	8 – 16 I2/100 g	9
Peroxide Value	0.0 – 10.0 m Eq/Kg	0.3

The following specifications are tested periodically and are certified to comply to the following limits:
Saponification Value - 225 – 250

Note: The water content of Tucuma Seed Butter is below the required level to support the growth of microorganisms. Therefore microbiological tests are not deemed applicable. Store in cool dry location and avoid exposure to air to prevent oxidation.

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 TUCUMA BUTTER
Lot # SAP1727903
Shelf Life 3 years

Properties	Specifications	Results
Appearance	White Yellow Solid Fat	Conform
Odor	Characteristic Soap like	Conform
Melting Point	28 – 38 °C	33
Free Fatty Acid	0.0 – 6.00 %	0.47
Iodine Value	8 – 16 I2/100 g	14
Peroxide Value	0.0 – 10.0 m Eq/Kg	0.2

The following specifications are tested periodically and are certified to comply to the following limits:
 Saponification Value - 225 – 250

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Certificate of Analysis

Product TUCUMA BUTTER
Lot # SAP1909301
Shelf Life 3 years

Properties	Specifications	Results
Appearance	White Yellow Solid Fat	Conform
Odor	Characteristic Soap like	Conform
Melting Point	28 – 38 °C	34
Free Fatty Acid	0.0 – 6.00 %	0.48
Iodine Value	8 – 16 I2/100 g	10
Peroxide Value	0.0 – 10.0 m Eq/Kg	0.6

The following specifications are tested periodically and are certified to comply to the following limits:
Saponification Value - 225 – 250

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Certificate of Analysis

Product TUCUMA BUTTER
Lot # SAP1913502
Shelf Life 3 years

Properties	Specifications	Results
Appearance	White Yellow Solid Fat	Conform
Odor	Characteristic Soap like	Conform
Melting Point	28 – 38 °C	32
Free Fatty Acid	0.0 – 6.00 %	0.64
Iodine Value	8 – 16 I2/100 g	9
Peroxide Value	0.0 – 10.0 m Eq/Kg	1.3

The following specifications are tested periodically and are certified to comply to the following limits:
Saponification Value - 225 – 250

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