

Certificate of Analysis

Product	PEPPERMINT ESSENTIAL OIL (YAKIMA)
Lot #	MD102902
Manufacturing Date	04/2022
Expiration Date	04/2024

Properties	Specifications	Results
Dimethyl Sulfide	In set pass	Pass
Free Menthol	≥ 40	45.49
Identification	In set pass	Pass
Menthofuran	≥ 4.4 ≤ 4.9	4.4
Neo Isopulegol	≤ 0.15	0.13
Optical Rotation	≥ -32 ≤ -18	-25.24
Pulegone	≤ 2	1.36
Refractive Index @20C	≥ 1.4590 ≤ 1.4650	1.4611
Solubility in alcohol	In set 1 ML Dissolves in 3 ML 70% Alcohol	1ML Dissolves in 3 ML 70% alcohol
Specific Gravity @20C	≥ 0.8990 ≤ 0.9110	0.9045
Specific Gravity @25C	≥ 0.8960 ≤ 0.9080	0.9015
Total Esters as Menthyl Acetate	≥ 5.0	5.0
Total Menthol	≥ 50	50.0
Flashpoint		160 / 71

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	PEPPERMINT ESSENTIAL OIL (YAKIMA)
Lot #	MD95186
Manufacturing Date	June 2021
Expiration Date	June 2023

Properties	Specifications	Results
Dimethyl Sulfide	In set pass	Pass
Free Menthol	≥ 40	45.63
Identification	In set pass	Pass
Menthofuran	≥ 4.4 ≤ 4.9	4.46
Neo Isopulegol	≤ 0.15	0.11
Optical Rotation	≥ -32 ≤ -18	-25.36
Pulegone	≤ 2	1.22
Refractive Index @20C	≥ 1.4590 ≤ 1.4650	1.4617
Solubility in alcohol	In set 1 ML Dissolves in 3 ML 70% Alcohol	1ML Dissolves in 3 ML 70% alcohol
Specific Gravity @20C	≥ 0.8990 ≤ 0.9110	0.9030
Specific Gravity @25C	≥ 0.8960 ≤ 0.9080	0.9000
Total Esters as Menthyl Acetate	≥ 5.0	5.0
Total Menthol	≥ 50	51.54
Flashpoint		160 / 71

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	PEPPERMINT ESSENTIAL OIL (YAKIMA)
Lot #	MD96030
Shelf Life	2 years

Properties	Specifications	Results
Dimethyl Sulfide	In set pass	Pass
Free Menthol	≥ 40	45.728
Identification	In set pass	Pass
Menthofuran	$\geq 4.4 \leq 4.9$	4.40
Neo Isopulegol	≤ 0.15	0.126
Optical Rotation	$\geq -32 \leq -18$	-25.48
Pulegone	≤ 2	1.342
Refractive Index @20C	$\geq 1.4590 \leq 1.4650$	1.4613
Solubility in alcohol	In set 1 ML Dissolves in 3 ML 70% Alcohol	1ML Dissolves in 3 ML 70% alcohol
Specific Gravity @20C	$\geq 0.8990 \leq 0.9110$	0.9037
Specific Gravity @25C	$\geq 0.8960 \leq 0.9080$	0.90077
Total Esters as Menthyl Acetate	≥ 5.0	5.0
Total Menthol	≥ 50	51.325
Flashpoint		160 / 71

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	PEPPERMINT ESSENTIAL OIL (YAKIMA)
Lot #	14243726
Shelf Life	1 year

Properties	Specifications	Results
Appearance	Liquid	Conform
Color	Colorless Pale Yellow	Conform
Odor	Characteristic	Conform
Refractive Index 20 °C	1.4590 – 1.4650	1.4606
Specific Gravity 20/20° C	0.8900 – 0.9180	0.9041
Flash Point ° F (Closed Cup)	160	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	PEPPERMINT ESSENTIAL OIL (YAKIMA)
Lot #	13693717
Shelf Life	1.5 years

Properties	Specifications	Results
Appearance	Liquid	Conform
Color	Colorless- Pale yellow	Conform
Odor	Characteristic	Conform
Refractive index 20 ^o C	1.4590 – 1.4690	1.4601
Specific Gravity 20 ^o C	0.8900 – 0.9180	0.9042
Flash Point ^o F (Closed up)	160	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	PEPPERMINT ESSENTIAL OIL (YAKIMA)
Lot #	12311717
Shelf Life	1.5 years

Properties	Specifications	Results
Appearance	Liquid	Conforms
Odor	Characteristic	Conforms to Standard
Color	Colorless Pale yellow	Conforms
Refractive Index 20 ^o C	1.4590 – 1.4650	1.4606
Specific Gravity 20/20 ^o C	0.8900 – 0.9180	0.9033
Flash Point ^o F (Closed Cup)	160 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.