

## Certificate of Analysis

<b>Product</b>	ALMOND, SWEET, OIL
<b>LOT #</b>	14601/24
<b>Manufacturing Date</b>	10/2024
<b>Best Before</b>	10/2027

Properties	Specifications	Results
FFA (oleic acid)	Max 0.5	0.1
Peroxide Value	Max 5.0	0.3
Specific Gravity (25°C)	0.910 – 0.915	0.913
Saponification Value	190 – 200	192
<b>Fatty Acid Composition</b>		
Palmitic Acid (C16:0)	3.0 – 9.0	6
Palmitoleic Acid (C16:1)	Max 2.0	0.1
Stearic Acid (C18:0)	Max 4.0	3.0
Oleic Acid (C18:1)	60.0 – 86.0	63.3
Linoleic Acid (C18:2)	20.0 – 30.0	25.7
Linolenic Acid (C18:3)	Max 2.0	0.2

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Regarding 'Best Before' information: This is the date the distiller or manufacturer suggests as the 'best before date' up to which this product should be good and usable when stored in the manner described above. The 'Best Before' information does not mean the product is no longer usable or that it will self-destruct at midnight on the mentioned date

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<b>Product</b>	ALMOND, SWEET, OIL
<b>LOT #</b>	L-241006
<b>Manufacturing Date</b>	10/2024
<b>Best Before</b>	10/2026

Properties	Specifications		Results
Appearance	Clear oily liquid		Pass test
Odour	Bland, characteristic		Past test
<b>Stability parameters</b>	<b>min</b>	<b>max</b>	
Acid value/ acidity index	0.00	2.00	0.12
FFA (free fatty acids)	0.00	1.00	0.06
Peroxide value	0.00	10.00	2.5
<b>Fatty acid profile</b>			
C16:0 Palmitic acid	3.0	9.0	4.7
C16:1 Palmitoleic acid	0.0	2.0	0.1
C18:0 Stearic acid	0.0	4.0	3.2
C18:1 Oleic acid	60.0	70.0	60.3
C18:2 Linoleic acid	20.0	30.0	30.0
C18:3 Linolenic acid	0.0	2.0	0.0
<b>Other parameters*</b>			
Iodine value	95	109	105
Refractive index	1.465	1.473	1.471
Saponification value	185	200	190
Specific gravity	0.910	0.915	Pass test
Color Red lov 5 ¼"	0.0	2.0 R	0.5
Color yellow lov 5 ¼"	0.0	15.0 Y	5.1

Store in a cold and dry place, avoid direct light heat.

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## Certificate of Analysis

<b>Product</b>	ALMOND, SWEET, OIL
<b>LOT #</b>	10901/22
<b>Manufacturing Date</b>	10/2022
<b>Shelf Life</b>	3 years

Properties	Specifications	Results
FFA (oleic acid)	≤ 0.5	0.1
Iodine Value		105
Peroxide Value	≤ 0.5	0.4
Specific Gravity (25°C)	0.910 – 0.915	0.913
Saponification Value	190 – 200	192
<b>Fatty Acid Profile (Area %)</b>		
C16:0 Palmitic	3.0 – 9.0	4.8
C16:1 Palmitoleic	≤ 2.0	0.1
C18:0 Stearic	≤ 4.0	2.9
C18:1 Oleic	60.0 – 86.0	66.4
C18:2 Linoleic	20.0 – 30.0	25.2
C18:3 Linolenic	≤ 2.0	0.1

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## Certificate of Analysis

<b>Product</b>	ALMOND, SWEET, OIL
<b>LOT #</b>	L-2307004
<b>Manufacturing Date</b>	07/2023
<b>Best Before</b>	07/2025

Properties	Specifications	Results
Appearance	Clear oil Liquid	Conform
Oudor	Bland Characteristics	Conform
Acid value	0.0 to 2.00	0.06
FFA	0.0 to 1.00	0.03
Peroxide Value	0.0 to 10.0	1.00
<b>Fatty Acid Composition</b>		
Palmitic Acid (C16:0)	3.0 – 9.0	5.6
Palmitoleic Acid (C16:1)	0.0 – 2.0	0.2
Stearic Acid (C18:0)	0.0 – 4.0	3.4
Oleic Acid (C18:1)	60.0 – 70.0	60.4
Linoleic Acid (C18:2)	20.0 – 30.0	28.5
Linolenic Acid (C18:3)	0.0. – 2.0	0.20
<b>Others Parameters</b>		
Iodine Value	95 – 109	107
Refractive Index 20°C	1.465 – 1.473	Past Test
Saponification Value	185 - 200	192
Specific Gravity	0.910 – 0.915	0.9145
Color Red Lov 5 ¼	0.0 – 2.0	0.5
Colour Yellow Lov 5 1/4	0.0. – 15.0	4.8

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## Certificate of Analysis

<b>Product</b>	ALMOND, SWEET, OIL
<b>LOT #</b>	05103/22
<b>Manufacturing Date</b>	04/2022
<b>Shelf Life</b>	3 years

Properties	Specifications	Results
FFA (oleic acid)	Max 0.5	0.1
Iodine Value		104
Peroxide Value	Max 5.0	0.5
Specific Gravity (25°C)	0.910 – 0.915	0.913
Saponification Value	190 – 200	192
<b>Fatty Acid Composition</b>		
Palmitic Acid (C16:0)	3.0 – 9.0	5.2
Palmitoleic Acid (C16:1)	Max 2.0	0.1
Stearic Acid (C18:0)	Max 4.0	3.0
Oleic Acid (C18:1)	60.0 – 86.0	65.4
Linoleic Acid (C18:2)	20.0 – 30.0	24.4
Linolenic Acid (C18:3)	Max 2.0	0.4

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## Certificate of Analysis

<b>Product</b>	ALMOND, SWEET, OIL
<b>LOT #</b>	00203/22
<b>Manufacturing Date</b>	01/2022
<b>Shelf Life</b>	3 years

Properties	Specifications	Results
FFA (oleic acid)	≤ 0.5	0.1
Iodine Value		104
Peroxide Value	≤ 0.5	0.3
Specific Gravity (25°C)	0.910 – 0.915	0.912
Saponification Value	190 – 200	191
<b>Fatty Acid Profile (Area %)</b>		
C16:0 Palmitic	3.0 – 9.0	5.3
C16:1 Palmitoleic	≤ 2.0	0.1
C18:0 Stearic	≤ 4.0	2.9
C18:1 Oleic	60.0 – 86.0	65.3
C18:2 Linoleic	20.0 – 30.0	24.8
C18:3 Linolenic	≤ 2.0	0.1

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## Certificate of Analysis

<b>Product</b>	ALMOND, SWEET, OIL
<b>LOT #</b>	11602/21
<b>Manufacturing Date</b>	10/2021
<b>Shelf Life</b>	3 years

Properties	Specifications	Results
FFA (oleic acid)	≤ 0.5	0.1
Iodine Value		103
Peroxide Value	≤ 0.5	0.6
Specific Gravity (25°C)	0.910 – 0.915	0.912
Saponification Value	190 – 200	191
<b>Fatty Acid Profile (Area %)</b>		
C16:0 Palmitic	3.0 – 9.0	5.9
C16:1 Palmitoleic	≤ 2.0	0.1
C18:0 Stearic	≤ 4.0	2.6
C18:1 Oleic	60.0 – 86.0	67.0
C18:2 Linoleic	20.0 – 30.0	23.4
C18:3 Linolenic	≤ 2.0	0.1

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## Certificate of Analysis

<b>Product</b>	ALMOND, SWEET, OIL
<b>Lot #</b>	05303/21
<b>Date of Production</b>	May,2021
<b>Shelf Life</b>	3 years

Properties	Specifications	Results
FFA (oleic acid)	Max 0.5	0.1
Iodine Value		102
Peroxide Value	Max 5.0	0.6
Specific Gravity 25 °C	0.910 – 0.915	0.914
Saponification Value	190 – 200	191
<b>Fatty Acid Profile (area %)</b>		
C16:0 Palmitic	3.0 – 9.0	5.4
C16:1 Palmitoleic	Max 2.0	0.1
C18:0 Stearic C	Max 4.0	3.0
C18:1 Oleic	60.0 – 86.0	67.5
C18:2 Linoleic	20.0 – 30.0	22.5
C18:3 Linolenic	Max 2.0	0.1

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<b>Product</b>	ALMOND, SWEET, OIL
<b>Lot #</b>	12802/20
<b>Shelf Life</b>	3 years

Properties	Specifications	Results
FFA (oleic acid)	Max 0.5	0.1
Peroxide Value	Max 5.0	0.6
Specific Gravity 25 °C	0.910 – 0.915	0.912
Saponification Value	190 – 200	192
Fatty Acid Profile (area %)		
C16:0 Palmitic	3.0 – 9.0	5.2
C16:1 Palmitoleic	Max 2.0	0.1
C18:0 Stearic C	Max 4.0	2.9
C18:1 Oleic	60.0 – 86.0	65.9
C18:2 Linoleic	20.0 – 30.0	24.5
C18:3 Linolenic	Max 2.0	0.1

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## Certificate of Analysis

<b>Product</b>	ALMOND, SWEET, OIL
<b>LOT #</b>	L-31072019-IBC
<b>Shelf Life</b>	2.5 years

Properties	Specifications	Results
Acid value	< 0.5	0.07
Unsaponifiable matter	<0.9	0.55
Relative Density at 20°C	0.910 – 0.915	0.911
Refractive Index 20°C	1.467 – 1.473	1.469
Iodine Value	95 – 105	96
Absorbance UV (K270)	0.2 – 6.0	1.68
Saponification Value	190 – 200	195
Peroxide Value	< 3	0.78
Absorbance 420 nm	0.1 – 0.25	0.13
Absorbance 453 nm	0.02 – 0.10	0.05
<b>Lovibond Color</b>		
Red Units	< 4	1.6
Yellow Units	< 50	16
<b>Fatty Acid Composition</b>		
Palmitic Acid (C16:0)	4.0 – 9.0	6.41
Palmitoleic Acid (C16:1)	< 0.8	0.48
Stearic Acid (C18:0)	< 3	2.68
Oleic Acid (C18:1)	62.0 – 76.0	67.06
Linoleic Acid (C18:2)	20.0 – 30.0	21.66
Linolenic Acid (C18:3)	< 0.4	0.24
<b>Others Tests</b>		
Foreign Kernel oil	Pass	Conforms
Cotton seed oil	Pass	Conforms
Sesame seed oil	Pass	Conforms
Mineral oil and foreign fatty oils	Pass	Conforms
Foreign oils	Pass	Conforms
Residual solvents	Meets	Conforms
Microbiological	Total plate count max. 100 cfu/g. Absence of pathogen microorganism in 25g.	Negative for pathogens: Yeast/Mold, Pseudomonads, Staphylococcus, Salmonella, E.Coli and Listeria

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<b>Product</b>	ALMOND, SWEET, OIL
<b>Lot #</b>	03303/20
<b>Shelf Life</b>	3 years

Properties	Specifications	Results
FFA (oleic acid)	Max 0.5	0.1
Peroxide Value	Max 5.0	0.5
Specific Gravity 25 °C	0.910 – 0.915	0.912
Saponification Value	190 – 200	192
Fatty Acid Profile (area %)		
C16:0 Palmitic	3.0 – 9.0	5.4
C16:1 Palmitoleic	Max 2.0	0.1
C18:0 Stearic C	Max 4.0	3.0
C18:1 Oleic	60.0 – 86.0	64.8
C18:2 Linoleic	20.0 – 30.0	24.9
C18:3 Linolenic	Max 2.0	0.1

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## Certificate of Analysis

<b>Product</b>	ALMOND, SWEET, OIL
<b>Lot #</b>	1592/19
<b>Shelf Life</b>	3 years

Properties	Specifications	Results
FFA (oleic acid)	Max 0.5	0.1
Peroxide Value	Max 5.0	0.7
Specific Gravity 25 °C	0.910 – 0.915	0.911
Saponification Value	190 – 200	191
Fatty Acid Profile (area %)		
C16:0 Palmitic	3.0 – 9.0	5.2
C16:1 Palmitoleic	Max 2.0	0.1
C18:0 Stearic C	Max 4.0	3.0
C18:1 Oleic	60.0 – 86.0	65.4
C18:2 Linoleic	20.0 – 30.0	24.6
C18:3 Linolenic	Max 2.0	0.1

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