

Certificate of Analysis

Product	ALMOND, SWEET, OIL
LOT #	10901/22
Manufacturing Date	10/2022
Shelf Life	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
Fatty Acid Profile (Area %)		
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

Product	ALMOND, SWEET, OIL
LOT #	L-2307004
Manufacturing Date	07/2023
Best Before	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
Fatty Acid Composition		
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
Others Parameters		
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

Product	ALMOND, SWEET, OIL
LOT #	05103/22
Manufacturing Date	04/2022
Shelf Life	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
Fatty Acid Composition		
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

Product	ALMOND, SWEET, OIL
LOT #	00203/22
Manufacturing Date	01/2022
Shelf Life	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
Fatty Acid Profile (Area %)		
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

Product	ALMOND, SWEET, OIL
LOT #	11602/21
Manufacturing Date	10/2021
Shelf Life	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
Fatty Acid Profile (Area %)		
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

Product	ALMOND, SWEET, OIL
Lot #	05303/21
Date of Production	May,2021
Shelf Life	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
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	67.5
C18:2 Linoleic	20.0 – 30.0	22.5
C18:3 Linolenic	Max 2.0	01

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Certificate of Analysis

Product	ALMOND, SWEET, OIL
Lot #	12802/20
Shelf Life	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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Product	ALMOND, SWEET, OIL
LOT #	L-31072019-IBC
Shelf Life	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
Lovibond Color		
Red Units	< 4	1.6
Yellow Units	< 50	16
Fatty Acid Composition		
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
Others Tests		
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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Product	ALMOND, SWEET, OIL
Lot #	03303/20
Shelf Life	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

Product	ALMOND, SWEET, OIL
Lot #	1592/19
Shelf Life	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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