

CERTIFICATE OF ANALYSIS

Product: Hazelnut Carrier Oil
 Lot #: 15011A10720
 Best Before: March, 2023

Store in an air tight container; in a cool dry area; away from direct sunlight.

| <u>Properties</u> | <u>Specifications</u> | <u>Results</u> |
|-----------------------|--------------------------------|----------------|
| Appearance: | Pale yellow liquid. | Complies |
| Odor: | Light nutty odor. | Complies |
| Solubility: | Insoluble in water. | Complies |
| Specific gravity: | 0.912 - 0.918 @ 25°C | Complies |
| Refractive Index: | 1.465 - 1.475 | 1.4719 |
| Free Fatty Acid: | < 0.5 (as % oleic acid) | 0.2 |
| Iodine Value: | 85 - 95 g I ₂ /100g | Complies |
| Peroxide Value: | < 5.0 meq O ₂ /kg | 0.0 |
| Saponification Value: | 187 - 195 mg/KOH/g | Complies |
| Palmitic Acid: | 4.0 - 9.0 % | 5.81 |
| Palmitoleic Acid: | < 0.5 % | 0.38 |
| Stearic Acid: | 1.0 - 4.0 % | 2.18 |
| Oleic Acid: | 66.0 - 83.0 % | 77.68 |
| Linoleic Acid: | 6.0 - 25.0 % | 13.71 |
| Linolenic Acid: | < 0.5 % | 0.0 |

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CERTIFICATE OF ANALYSIS

Product: Hazelnut Carrier Oil
Lot #: 15011A10320
Best Before: September, 2022
 Store in an air tight container; in a cool dry area; away from direct sunlight.

| <u>Properties</u> | <u>Specifications</u> | <u>Results</u> |
|-----------------------|--------------------------------|----------------|
| Appearance: | Pale yellow liquid. | Complies |
| Odor: | Light nutty odor. | Complies |
| Solubility: | Insoluble in water. | Complies |
| Specific gravity: | 0.912 - 0.918 @ 25°C | Complies |
| Refractive Index: | 1.465 - 1.475 | 1.471 |
| Free Fatty Acid: | < 0.5 (as % oleic acid) | 0.07 |
| Iodine Value: | 85 - 95 g I ₂ /100g | Complies |
| Peroxide Value: | < 5.0 meq O ₂ /kg | 0.0 |
| Saponification Value: | 187 - 195 mg/KOH/g | Complies |
| Palmitic Acid: | 3.0 - 6.0 % | 5.5 |
| Palmitoleic Acid: | < 0.5 % | 0.24 |
| Stearic Acid: | 1.0 - 4.0 % | 1.9 |
| Oleic Acid: | 70.0 - 82.0 % | 72.79 |
| Linoleic Acid: | 8.0 - 15.0 % | 18.8 |
| Linolenic Acid: | < 0.5 % | 0.14 |

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CERTIFICATE OF ANALYSIS

Product: Hazelnut Carrier Oil
Lot #: 15011A11019
Best Before: July, 2022
 Store in an air tight container; in a cool dry area; away from direct sunlight.

| <u>Properties</u> | <u>Specifications</u> | <u>Results</u> |
|-----------------------|--------------------------------|----------------|
| Appearance: | Pale yellow liquid. | Complies |
| Odor: | Light nutty odor. | Complies |
| Solubility: | Insoluble in water. | Complies |
| Specific gravity: | 0.912 - 0.918 @ 25°C | 0.914 |
| Refractive Index: | 1.465 - 1.475 | 1.471 |
| Free Fatty Acid: | < 0.5 (as % oleic acid) | 0.1 |
| Iodine Value: | 85 - 95 g I ₂ /100g | 95 |
| Peroxide Value: | < 5.0 meq O ₂ /kg | 0.3 |
| Saponification Value: | 187 - 195 mg/KOH/g | 190 |
| Palmitic Acid: | 3.0 - 6.0 % | 4.6 |
| Palmitoleic Acid: | < 0.5 % | 0.1 |
| Stearic Acid: | 1.0 - 4.0 % | 2.6 |
| Oleic Acid: | 70.0 - 82.0 % | 76.8 |
| Linoleic Acid: | 8.0 - 15.0 % | 14.3 |
| Linolenic Acid: | < 0.5 % | 0.1 |

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CERTIFICATE OF ANALYSIS

Product: Hazelnut Carrier Oil
Lot #: 15011A10519
Best Before: January, 2022
 Store in an air tight container; in a cool dry area; away from direct sunlight.

| <u>Properties</u> | <u>Specifications</u> | <u>Results</u> |
|-----------------------|--------------------------------|----------------|
| Appearance: | Pale yellow liquid. | Complies |
| Odor: | Light nutty odor. | Complies |
| Solubility: | Insoluble in water. | Complies |
| Specific gravity: | 0.912 - 0.918 @ 25°C | 0.914 |
| Refractive Index: | 1.465 - 1.475 | 1.470 |
| Free Fatty Acid: | < 0.5 (as % oleic acid) | 0.1 |
| Iodine Value: | 85 - 95 g I ₂ /100g | 93 |
| Peroxide Value: | < 5.0 meq O ₂ /kg | 1.3 |
| Saponification Value: | 187 - 195 mg/KOH/g | 191 |
| Palmitic Acid: | 3.0 - 6.0 % | 4.6 |
| Palmitoleic Acid: | < 0.5 % | 0.1 |
| Stearic Acid: | 1.0 - 4.0 % | 2.9 |
| Oleic Acid: | 70.0 - 82.0 % | 78 |
| Linoleic Acid: | 8.0 - 15.0 % | 12.5 |
| Linolenic Acid: | < 0.5 % | 0.1 |

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CERTIFICATE OF ANALYSIS

Product: Hazelnut Carrier Oil
Lot #: 15011-A52
Best Before: August, 2021
 Store in an air tight container; in a cool dry area; away from direct sunlight.

| <u>Properties</u> | <u>Specifications</u> | <u>Results</u> |
|-----------------------|--------------------------------|----------------|
| Appearance: | Pale yellow liquid. | Complies |
| Odor: | Light nutty odor. | Complies |
| Solubility: | Insoluble in water. | Complies |
| Specific gravity: | 0.912 - 0.918 @ 25°C | 0.913 |
| Refractive Index: | 1.465 - 1.475 | 1.471 |
| Free Fatty Acid: | < 0.5 (as % oleic acid) | 0.1 |
| Iodine Value: | 85 - 95 g I ₂ /100g | 94 |
| Peroxide Value: | < 5.0 meq O ₂ /kg | 0.5 |
| Saponification Value: | 187 - 195 mg/KOH/g | 190 |
| Palmitic Acid: | 3.0 - 6.0 % | 4.7 |
| Palmitoleic Acid: | < 0.5 % | 0.1 |
| Stearic Acid: | 1.0 - 4.0 % | 2.5 |
| Oleic Acid: | 70.0 - 82.0 % | 77.6 |
| Linoleic Acid: | 8.0 - 15.0 % | 13.5 |
| Linolenic Acid: | < 0.5 % | 0.1 |

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CERTIFICATE OF ANALYSIS

Product: Hazelnut Carrier Oil
Lot #: 15011B501
Best Before: July, 2021
 Store in an air tight container; in a cool dry area; away from direct sunlight.

| <u>Properties</u> | <u>Specifications</u> | <u>Results</u> |
|-----------------------|--------------------------------|----------------|
| Appearance: | Pale yellow liquid. | Complies |
| Odor: | Light nutty odor. | Complies |
| Solubility: | Insoluble in water. | Complies |
| Specific gravity: | 0.912 - 0.918 @ 25°C | Complies |
| Refractive Index: | 1.465 - 1.475 | Complies |
| Free Fatty Acid: | < 0.5 (as % oleic acid) | Complies |
| Iodine Value: | 85 - 95 g I ₂ /100g | Complies |
| Peroxide Value: | < 5.0 meq O ₂ /kg | Complies |
| Saponification Value: | 187 - 195 mg/KOH/g | Complies |
| Palmitic Acid: | 3.0 - 6.0 % | Complies |
| Palmitoleic Acid: | < 0.5 % | Complies |
| Stearic Acid: | 1.0 - 4.0 % | Complies |
| Oleic Acid: | 70.0 - 82.0 % | Complies |
| Linoleic Acid: | 8.0 - 15.0 % | Complies |
| Linolenic Acid: | < 0.5 % | Complies |

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CERTIFICATE OF ANALYSIS

Product: Hazelnut Carrier Oil
Lot #: 15011-A51
Best Before: April, 2021
 Store in an air tight container; in a cool dry area; away from direct sunlight.

| <u>Properties</u> | <u>Specifications</u> | <u>Results</u> |
|-----------------------|--------------------------------|----------------|
| Appearance: | Pale yellow liquid. | Complies |
| Odor: | Light nutty odor. | Complies |
| Solubility: | Insoluble in water. | Complies |
| Specific gravity: | 0.912 - 0.918 @ 25°C | 0.913 |
| Refractive Index: | 1.465 - 1.475 | 1.471 |
| Free Fatty Acid: | < 0.5 (as % oleic acid) | 0.1 |
| Iodine Value: | 85 - 95 g I ₂ /100g | 93 |
| Peroxide Value: | < 5.0 meq O ₂ /kg | 0.9 |
| Saponification Value: | 187 - 195 mg/KOH/g | 190 |
| Palmitic Acid: | 3.0 - 6.0 % | 4.7 |
| Palmitoleic Acid: | < 0.5 % | 0.2 |
| Stearic Acid: | 1.0 - 4.0 % | 2.9 |
| Oleic Acid: | 70.0 - 82.0 % | 78.4 |
| Linoleic Acid: | 8.0 - 15.0 % | 12.1 |
| Linolenic Acid: | < 0.5 % | 0.1 |

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CERTIFICATE OF ANALYSIS

Product: Hazelnut Carrier Oil
Lot #: 15011-A50,B50,C50,D50
Best Before: November, 2020
 Store in an air tight container; in a cool dry area; away from direct sunlight.

| <u>Properties</u> | <u>Specifications</u> | <u>Results</u> |
|-----------------------|--------------------------------|----------------|
| Appearance: | Pale yellow liquid. | Complies |
| Odor: | Light nutty odor. | Complies |
| Solubility: | Insoluble in water. | Complies |
| Specific gravity: | 0.912 - 0.918 @ 25°C | 0.916 |
| Refractive Index: | 1.465 - 1.475 | 1.470 |
| Free Fatty Acid: | < 0.5 (as % oleic acid) | 0.2 |
| Iodine Value: | 85 - 95 g I ₂ /100g | 94 |
| Peroxide Value: | < 5.0 meq O ₂ /kg | 1.0 |
| Saponification Value: | 187 - 195 mg/KOH/g | 191 |
| Palmitic Acid: | 3.0 - 6.0 % | 4.6 |
| Palmitoleic Acid: | < 0.5 % | 0.1 |
| Stearic Acid: | 1.0 - 4.0 % | 2.7 |
| Oleic Acid: | 70.0 - 82.0 % | 77.8 |
| Linoleic Acid: | 8.0 - 15.0 % | 13.2 |
| Linolenic Acid: | < 0.5 % | 0.1 |

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