

CERTIFICATE OF ANALYSIS

Product: **Black Cumin Seed Carrier Oil - Virgin**

Lot #: 15081A103201

Best Before: March, 2023

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Amber to deep amber liquid.	Complies
Odor:	Characteristic nutty pungent odor.	Complies
Solubility:	Insoluble in water.	Complies
Relative Density:	0.910 - 0.935 @ 20°C	Complies
Refractive Index:	1.4625 - 1.4825 @ 20°C	Complies
Free Fatty Acid:	Max. 10 (as % Oleic acid)	Complies
Acid Value:	Max. 20 (mg KOH/g)	Complies
Saponification Value:	180 - 210 (mg KOH/g)	Complies
C16:0, Palmitic Acid:	8 - 15 %	Complies
C18:0, Stearic Acid:	< 5 %	Complies
C18:1, Oleic Acid:	18 - 30 %	Complies
C18:2, Linoleic acid:	50 - 65 %	Complies

CERTIFICATE OF ANALYSIS

Product: **Black Cumin Seed Carrier Oil - Virgin**

Lot #: 15081A10121

Best Before: January, 2023

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Amber to deep amber liquid.	Complies
Odor:	Characteristic nutty pungent odor.	Complies
Solubility:	Insoluble in water.	Complies
Relative Density:	0.910 - 0.935 @ 20°C	0.92
Refractive Index:	1.44 - 1.50	1.4730
Free Fatty Acid:	Max. 5 (as % Oleic acid)	2.12
Acid Value:	Max. 10 (mg KOH/g)	4.22
Saponification Value:	180 - 210 (mg KOH/g)	195
C16:0, Palmitic Acid:	8 - 15 %	12.147
C18:0, Stearic Acid:	< 5 %	3.381
C18:1, Oleic Acid:	18 - 30 %	23.9
C18:2, Linoleic acid:	50 - 65 %	56.743

CERTIFICATE OF ANALYSIS

Product: **Black Cumin Seed Carrier Oil - Virgin**

Lot #: 15081B11220

Best Before: December, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Amber to deep amber liquid.	Complies
Odor:	Characteristic nutty pungent odor.	Complies
Solubility:	Insoluble in water.	Complies
Relative Density:	0.910 - 0.935 @ 20°C	0.92
Refractive Index:	-----	1.4730
Free Fatty Acid:	Max. 5 (as % Oleic acid)	2.12
Acid Value:	Max. 10 (mg KOH/g)	4.22
Saponification Value:	180 - 210 (mg KOH/g)	195
C16:0, Palmitic Acid:	8 - 15 %	12.147
C18:0, Stearic Acid:	< 5 %	3.381
C18:1, Oleic Acid:	18 - 30 %	23.9
C18:2, Linoleic acid:	50 - 65 %	56.743

CERTIFICATE OF ANALYSIS

Product: **Black Cumin Seed Carrier Oil - Virgin**

Lot #: 15081A10920

Best Before: October, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Amber to deep amber liquid.	Complies
Odor:	Characteristic nutty pungent odor.	Complies
Solubility:	Insoluble in water.	Complies
Relative Density:	0.910 - 0.935 @ 20°C	0.92
Refractive Index:	-----	1.4730
Free Fatty Acid:	Max. 5 (as % Oleic acid)	2.12
Acid Value:	Max. 10 (mg KOH/g)	4.22
Saponification Value:	180 - 210 (mg KOH/g)	195
C16:0, Palmitic Acid:	8 - 15 %	12.147
C18:0, Stearic Acid:	< 5 %	3.381
C18:1, Oleic Acid:	18 - 30 %	23.9
C18:2, Linoleic acid:	50 - 65 %	53.743

CERTIFICATE OF ANALYSIS

Product: **Black Cumin Seed Carrier Oil - Virgin**

Lot #: 15081A108191

Best Before: August, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Amber to deep amber liquid.	Complies
Odor:	Characteristic nutty pungent odor.	Complies
Solubility:	Insoluble in water.	Complies
Relative Density:	0.910 - 0.935 @ 20°C	Complies
Refractive Index:	1.4625 - 1.4825 @ 20°C	Complies
Free Fatty Acid:	Max. 10 (as % Oleic acid)	Complies
Acid Value:	Max. 20 (mg KOH/g)	Complies
Saponification Value:	180 - 210 (mg KOH/g)	Complies
C16:0, Palmitic Acid:	8 - 15 %	Complies
C18:0, Stearic Acid:	< 5 %	Complies
C18:1, Oleic Acid:	18 - 30 %	Complies
C18:2, Linoleic acid:	50 - 65 %	Complies

CERTIFICATE OF ANALYSIS

Product: **Black Cumin Seed Carrier Oil - Virgin**

Lot #: 15081B10620

Best Before: June, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Amber to deep amber liquid.	Complies
Odor:	Characteristic nutty pungent odor.	Complies
Solubility:	Insoluble in water.	Complies
Relative Density:	0.910 - 0.935 @ 20°C	0.91
Refractive Index:	1.4625 - 1.4825 @ 20°C	1.4724
Free Fatty Acid:	Max. 10 (as % Oleic acid)	2.32
Acid Value:	Max. 20 (mg KOH/g)	4.64
Saponification Value:	180 - 210 (mg KOH/g)	201
C16:0, Palmitic Acid:	8 - 15 %	12.4
C18:0, Stearic Acid:	< 5 %	3.38
C18:1, Oleic Acid:	18 - 30 %	24.9
C18:2, Linoleic acid:	50 - 65 %	56.14

CERTIFICATE OF ANALYSIS

Product: **Black Cumin Seed Carrier Oil - Virgin**

Lot #: 15081A10320

Best Before: March, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Amber to deep amber liquid.	Complies
Odor:	Characteristic nutty pungent odor.	Complies
Solubility:	Insoluble in water.	Complies
Relative Density:	0.910 - 0.935 @ 20°C	0.91
Refractive Index:	1.4625 - 1.4825 @ 20°C	1.4724
Free Fatty Acid:	Max. 10 (as % Oleic acid)	2.32
Acid Value:	Max. 20 (mg KOH/g)	4.64
Saponification Value:	180 - 210 (mg KOH/g)	201
C16:0, Palmitic Acid:	8 - 15 %	12.4
C18:0, Stearic Acid:	< 5 %	3.38
C18:1, Oleic Acid:	18 - 30 %	24.9
C18:2, Linoleic acid:	50 - 65 %	56.14

CERTIFICATE OF ANALYSIS

Product: Black Cumin Seed Carrier Oil - Virgin

Lot #: 15081A10819

Best Before: August, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Amber to deep amber liquid.	Complies
Odor:	Characteristic nutty pungent odor.	Complies
Solubility:	Insoluble in water.	Complies
Relative Density:	0.910 - 0.935 @ 20°C	0.910
Refractive Index:	1.4625 - 1.4825 @ 20°C	1.4730
Free Fatty Acid:	Max. 10 (as % Oleic acid)	2.71
Acid Value:	Max. 20 (mg KOH/g)	5.39
Saponification Value:	180 - 210 (mg KOH/g)	200
C16:0, Palmitic Acid:	8 - 15 %	12.64
C18:0, Stearic Acid:	< 5 %	2.99
C18:1, Oleic Acid:	18 - 30 %	19.44
C18:2, Linoleic acid:	50 - 65 %	60.077

CERTIFICATE OF ANALYSIS

Product: Black Cumin Seed Carrier Oil - Virgin

Lot #: 15081A131

Best Before: July, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Amber to deep amber liquid.	Complies
Odor:	Characteristic nutty pungent odor.	Complies
Solubility:	Insoluble in water.	Complies
Relative Density:	0.910 - 0.935 @ 20°C	0.926
Refractive Index:	1.4625 - 1.4825 @ 20°C	1.4738
Free Fatty Acid:	Max. 10 (as % Oleic acid)	Complies
Acid Value:	Max. 20	Complies
Saponification Value:	180 - 210 (mg KOH/g)	Complies
C16:0, Palmitic Acid:	8 - 15 %	Complies
C18:0, Stearic Acid:	< 5 %	Complies
C18:1, Oleic Acid:	18 - 30 %	Complies
C18:2, Linoleic acid:	50 - 65 %	Complies

CERTIFICATE OF ANALYSIS

Product: Black Cumin Seed Carrier Oil - Virgin

Lot #: 15081B112

Best Before: May, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Amber to deep amber liquid.	Complies
Odor:	Characteristic nutty pungent odor.	Complies
Solubility:	Insoluble in water.	Complies
Relative Density:	0.910 - 0.935 @ 20°C	0.922
Refractive Index:	1.4625 - 1.4825 @ 20°C	1.4739
Free Fatty Acid:	< 10 (as % Oleic acid)	Complies
Acid Value:	< 20	Complies
Saponification Value:	180 - 210 (mg KOH/g)	Complies
C16:0, Palmitic Acid:	8 - 15 %	Complies
C18:0, Stearic Acid:	< 5 %	Complies
C18:1, Oleic Acid:	18 - 30 %	Complies
C18:2, Linoleic acid:	50 - 65 %	Complies