

CERTIFICATE OF ANALYSIS

Product: Castor Organic Carrier Oil
Product Lot No: 51027C10820
Best Before: August, 2022
 Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Clear almost colorless liquid.	Complies
Odor:	Neutral and bit fatty odor.	Complies
Hydroxyl Value:	158 -165	160
Iodine Value:	82 - 90	84
Moisture (K.F):	≤ 0.25 %	0.18
Free Fatty Acid:	≤ 0.4 % (as oleic acid)	0.27
Specific Gravity:	0.950 - 0.970 @ 30°C	0.963
Refractive Index:	1.470 - 1.475 @ 40°C	1.472
Saponification Value:	177 - 185	182
Unsaponifiable Matter:	≤ 1 %	0.27
Acid Value:	≤ 0.8	0.53

Disclaimer & Caution

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CERTIFICATE OF ANALYSIS

Product: Castor Organic Carrier Oil
Product Lot No: 51027B10820
Best Before: August, 2022
Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Colorless to pale yellow liquid.	Complies
Odor:	Neutral and bit fatty odor.	Complies
Hydroxyl Value:	160 - 168 mg KOH/gm	166.57
Iodine Value:	82 - 90	83.99
Moisture (K.F):	≤ 0.2 %	0.078
Specific Gravity:	0.957 - 0.961 @ 20°C	0.9597
Refractive Index:	1.460 - 1.483 @ 20°C	Complies
Saponification Value:	176 - 185	180.77
Unsaponifiable Matter:	≤ 0.80 %	0.36
Acid Value:	≤ 0.8 mg KOH/gm	0.44

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CERTIFICATE OF ANALYSIS

Product: Castor Organic Carrier Oil
Product Lot No: 51027A10720
Best Before: July, 2022
 Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Colorless to pale yellow liquid.	Complies
Odor:	Neutral and bit fatty odor.	Complies
Hydroxyl Value:	160 - 168 mg KOH/gm	163.81
Iodine Value:	82 - 90	85.74
Moisture (K.F):	≤ 0.2 %	0.076
Specific Gravity:	0.957 - 0.961 @ 20°C	0.9595
Refractive Index:	1.460 - 1.483 @ 20°C	Complies
Saponification Value:	176 - 185	180.26
Unsaponifiable Matter:	≤ 0.80 %	0.34
Acid Value:	≤ 0.8 mg KOH/gm	0.34

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CERTIFICATE OF ANALYSIS

Product: Castor Organic Carrier Oil
Product Lot No: 51027B10320
Best Before: March, 2022
 Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Clear almost colorless liquid.	Complies
Odor:	Neutral and bit fatty odor.	Complies
Hydroxyl Value:	158 -165	160
Iodine Value:	82 - 90	83
Moisture (K.F):	≤ 0.25 %	0.19
Free Fatty Acid:	≤ 0.4 % (as oleic acid)	0.26
Specific Gravity:	0.950 - 0.970 @ 30°C	0.962
Refractive Index:	1.470 - 1.475 @ 40°C	1.473
Saponification Value:	177 - 185	182
Unsaponifiable Matter:	≤ 1 %	0.27
Acid Value:	≤ 0.8	0.52

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CERTIFICATE OF ANALYSIS

Product: Castor Organic Carrier Oil
Product Lot No: 51027A10220
Best Before: February, 2022
 Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Clear almost colorless liquid.	Complies
Odor:	Neutral and bit fatty odor.	Complies
Hydroxyl Value:	158 -165	160
Iodine Value:	82 - 90	83
Moisture (K.F):	≤ 0.25 %	0.19
Free Fatty Acid:	≤ 0.4 % (as oleic acid)	0.26
Specific Gravity:	0.950 - 0.970 @ 30°C	0.962
Refractive Index:	1.470 - 1.475 @ 40°C	1.473
Saponification Value:	177 - 185	182
Unsaponifiable Matter:	≤ 1 %	0.27
Acid Value:	≤ 0.8	0.52

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CERTIFICATE OF ANALYSIS

Product: Castor Organic Carrier Oil
Product Lot No: 51027A10719
Best Before: July, 2021
 Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Clear almost colorless liquid.	Complies
Odor:	Neutral and bit fatty odor.	Complies
Hydroxyl Value:	> 160	160
Iodine Value:	82 - 90	89
Moisture (K.F):	≤ 0.25 %	0.18
Free Fatty Acid:	≤ 1.0 % (as oleic acid)	0.22
Specific Gravity:	0.950 - 0.975 @ 20°C	0.961
Refractive Index:	1.460 - 1.483 @ 20°C	1.472
Saponification Value:	177 - 185	181
Unsaponifiable Matter:	≤ 1 %	Complies
Acid Value:	≤ 2.0	0.56

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CERTIFICATE OF ANALYSIS

Product: Castor Organic Carrier Oil
Product Lot No: 51027A10619
Best Before: June, 2021
 Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Clear almost colorless liquid.	Complies
Odor:	Neutral and bit fatty odor.	Complies
Hydroxyl Value:	> 160	162.6
Iodine Value:	82 - 90	83.1
Moisture (K.F):	≤ 0.25 %	0.15
Free Fatty Acid:	≤ 1.0 % (as oleic acid)	0.24
Specific Gravity:	0.950 - 0.975 @ 20°C	0.959
Refractive Index:	1.460 - 1.483 @ 20°C	1.476
Saponification Value:	177 - 185	182
Unsaponifiable Matter:	≤ 1 %	0.35
Acid Value:	≤ 2.0	1.3

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CERTIFICATE OF ANALYSIS

Product: Castor Organic Carrier Oil
Product Lot No: 51027A10419
Best Before: April, 2021
 Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Clear almost colorless liquid.	Complies
Odor:	Neutral and bit fatty odor.	Complies
Hydroxyl Value:	> 160	162
Iodine Value:	82 - 90	87
Moisture (K.F):	≤ 0.25 %	0.15
Free Fatty Acid:	≤ 1.0 % (as oleic acid)	0.24
Specific Gravity:	0.950 - 0.975 @ 20°C	0.960
Refractive Index:	1.460 - 1.483 @ 20°C	1.473
Saponification Value:	177 - 185	181
Unsaponifiable Matter:	≤ 1 %	Complies
Acid Value:	≤ 2.0 %	0.51

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CERTIFICATE OF ANALYSIS

Product: Castor Organic Carrier Oil
Product Lot No: 51027B00119
Best Before: February, 2021
Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to yellow viscous liquid.	Complies
Odor:	Characteristic odor.	Complies
Hydroxyl Value:	158 - 165	161
Iodine Value:	82 - 90	84
Moisture (K.F):	≤ 0.25 %	0.18
Free Fatty Acid:	≤ 0.4 % (as oleic acid)	0.27
Specific Gravity:	0.950 - 0.970 @ 30°C	0.961
Refractive Index:	1.470 - 1.475 @ 40°C	1.472
Saponification Value:	177 - 185	181
Unsaponifiable Matter:	≤ 1 %	0.25
Acid Value:	≤ 0.8 %	0.51

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CERTIFICATE OF ANALYSIS

Product: Castor Organic Carrier Oil
Product Lot No: 51027A00119
Best Before: February, 2021
 Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to yellow viscous liquid.	Complies
Odor:	Characteristic odor.	Complies
Hydroxyl Value:	> 150	161
Iodine Value:	82 - 90	84
Moisture (K.F):	≤ 0.25 %	0.18
Free Fatty Acid:	≤ 0.4 % (as oleic acid)	0.27
Specific Gravity:	0.950 - 0.970 @ 30°C	0.961
Refractive Index:	1.470 - 1.475 @ 40°C	1.472
Saponification Value:	177 - 185	181
Unsaponifiable Matter:	≤ 1 %	0.25
Acid Value:	≤ 0.8 %	0.51

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CERTIFICATE OF ANALYSIS

Product: Castor Organic Carrier Oil
Product Lot No: 51027-A11-1
Best Before: August, 2020
 Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to yellow viscous liquid.	Complies
Odor:	Characteristic odor.	Complies
Hydroxyl Value:	> 150	Complies
Iodine Value:	82 - 90	Complies
Moisture (K.F):	≤ 0.25 %	Complies
Free Fatty Acid:	≤ 0.4 % (as oleic acid)	Complies
Specific Gravity:	0.950 - 0.970 @ 30°C	0.964
Refractive Index:	1.470 - 1.475 @ 40°C	Complies
Saponification Value:	177 - 185	Complies
Unsaponifiable Matter:	≤ 1 %	Complies
Acid Value:	≤ 0.8 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Castor Organic Carrier Oil
Product Lot No: 51027-A10-1
Best Before: August, 2020
 Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to yellow viscous liquid.	Complies
Odor:	Characteristic odor.	Complies
Hydroxyl Value:	> 150	Complies
Iodine Value:	82 - 90	Complies
Moisture (K.F):	≤ 0.25 %	Complies
Free Fatty Acid:	≤ 0.4 % (as oleic acid)	Complies
Specific Gravity:	0.950 - 0.970 @ 30°C	Complies
Refractive Index:	1.470 - 1.475 @ 40°C	Complies
Saponification Value:	177 - 185	Complies
Unsaponifiable Matter:	≤ 1 %	Complies
Acid Value:	≤ 0.8 %	Complies

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