

Certificate of Analysis

Product: Castor Oil, Cold Pressed, Lab Grade

Item Number: CAOLL

CAS#: 8001-79-4

Grade: Lab

Lot Number: 5002260/1.1

Manufacture Date: 12/30/2025

Expiration Date: 12/29/2028

Country of Origin: United States

| Tested Property | Specification | Analysis |
|------------------------------|---|----------|
| Acid Value | Max. 2 mgKOH/g | 1.38 |
| UV Abs. @ 270nm | 0.7 - 1.5 | 1.054 |
| Water Determination | Max. 0.3% | 0.18 |
| Saponification Value | As reported, mgKOH/g | 179.57 |
| Hydroxyl Value | 160 - 168 mg/KOH/g | 162.18 |
| Peroxide Value | Max. 10 meq/kg | 2.8 |
| Unsaponifiable Matter | Max. 0.80% | 0.58 |
| Distinction | Partly soluble in solvent Hexane | Pass |
| | Yields a clear liquid with an equal volume of alcohol | Pass |
| Fatty Acid Profile: | Max. 2.0% | 1.16 |
| C:16:0 Palmitic Acid | Max. 2.0% | 1.27 |
| C:18:0 Stearic Acid | Max. 2.5% | 0.98 |
| C:18:1 Oleic Acid | 2.5 - 6.0% | 2.87 |
| C:18:2 Linoleic Acid | 2.5 - 7.0% | 5.53 |
| C:18:3 Linolenic Acid | Max. 1.0% | 0.50 |
| C:20:1 Eicosenic Acid | Max. 1.0% | 0.29 |
| Ricinoleic Acid | 85 - 92 | 90.32 |
| cis-11-Octadecenoic or Other | As reported | 0.29 |
| Unidentified Fatty Acid | Max 1.0% | 0.93 |
| Triglyceride Composition: | | |

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| | | |
|-----|------------|-------|
| RRO | 2.5 - 5% | 2.88 |
| RRS | 0.2 - 0.8% | 0.59 |
| RRL | 2 - 4% | 3.09 |
| RRR | Min. 90.0% | 93.44 |

Store in a cool, dry, and well-ventilated environment.

[Castor Oil, Cold Pressed, Lab Grade](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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