



LAB ALLEY
ESSENTIAL CHEMICALS



PRODUCT SPECIFICATION SHEET

Castor Oil, Cold Pressed, USP

Product Specifications

Test	Specification	Typical Results
Hydroxyl Value	160-168 mgKOH/g	160-168
Saponification Value	As Reported, mgKOH/g	184.8
Acid Value	Max 2 mgKOH/g	<2
UV Absorption @ 270 nm	0.7-1.5 Abs	0.7-1.5
Water Determination	Max 0.3%	<0.3%
Peroxide Value	Max 10 meq/kg	<10
Unsaponifiable Matter	Max 0.8 %	<0.8 %
C:16:0 Palmitic Acid	Max 2.0 %	<2.0 %
C:18:0 Stearic Acid	Max 2.5 %	<2.5 %
C:18:1 Oleic Acid	2.5-6.0 %	2.5-6.0 %
C:18:2 Linoleic Acid	2.5-7.0 %	2.5-7.0 %
C:18:3 Linolenic Acid	Max 1.0 %	<1.0 %
C:20:1 Eicosenic Acid	Max 1.0 %	<1.0 %
Ricinoleic Acid	85.0-92.0 %	85.0-92.0 %
cis-11-Octadecenoic or Other	As reported	0.29
Unidentified Fatty Acid	Max 1.0 %	<1.0 %
Triglyceride Composition	2.5-5.0 % RRO	2.5-5.0 %
Triglyceride Composition	0.2-0.8 % RRS	0.2-0.8 %
Triglyceride Composition	2.0-4.0 % RRL	2.0-4.0 %
Triglyceride Composition	Min 90.0 % RRR	>90.0 %
Distinction	Partially soluble in solvent Hexane. Yields a clear liquid with an equal volume of alcohol	Conforms

Appropriate/legal use of this product is the responsibility of the user.

[Castor Oil, Cold Pressed, USP](#)

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