



TECHNICAL DATA SHEET(TDS)

Castor Oil, Cold Pressed, USP

Product Specifications (CAS# 8001-79-4)

Test	Specification	Typical Results
Hydroxyl Value	160 - 168 mgKOH/g	162.18 mgKOH/g
Saponification Value	As Reported, mgKOH/g	179.57 mgKOH/g
Acid Value	Max 2 mgKOH/g	1.38 mgKOH/g
UV Absorption @ 270 nm	0.7 - 1.5 Abs	1.054 Abs
Water Determination	Max 0.3%	0.18%
Peroxide Value	Max 10 meq/kg	2.8 meq/kg
Unsaponifiable Matter	Max 0.8 %	0.72%
C:16:0 Palmitic Acid	Max 2.0 %	1.16%
C:18:0 Stearic Acid	Max 2.5 %	1.33%
C:18:1 Oleic Acid	2.5 - 6.0 %	3.13%
C:18:2 Linoleic Acid	2.5 - 7.0 %	4.78%
C:18:3 Linolenic Acid	Max 1.0 %	0.43%
C:20:1 Eicosenic Acid	Max 1.0 %	0.28%
Ricinoleic Acid	85.0 - 92.0 %	86.98
cis-11-Octadecenoic or Other	Max 1.0%	0.86%
Unidentified Fatty Acid	Max 1.0 %	0.93%
Triglyceride Composition	2.5 - 5.0 % RRO	2.88%
Triglyceride Composition	0.2 - 0.8 % RRS	0.59%
Triglyceride Composition	2.0 - 4.0 % RRL	3.09%
Triglyceride Composition	Min 90.0 % RRR	93.44%
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, USP Grade](#)

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