



Certificate of Analysis

Product Name : Castor Oil
Batch No : CSTO20250530
Manufacturing Date : Nov/2024
Expiry Date : Nov/2027

Parameter	Unit	Min	Max	Result
Acid Value	mgKOH/g		2	1.36
UV Absorption @ 270nm	Abs	0.7	1.5	1.232
Water determination	%		0.3	0.24
Saponification Value	mgKOH/g			183.5
Hydroxyl Value	mgKOH/g	160	168	161
Peroxide Value	meq/kg		10	1.80
Unsaponifiable Matter	%		0.8	0.27
Distinction			Partly soluble in solvent hexane. Yields a clear liquid With an equal volume of alcohol.	Conforms

Fatty Acid Profile (Area)

C:16:0 Palmitic Acid	%		2.0	0.88
C:18:0 Stearic Acid	%		2.5	0.95
C:18:1 Oleic Acid	%	2.5	6.0	2.55
C:18:2 Linoleic Acid	%	2.5	7.0	4.16
C:18:3 Linolenic Acid	%		1.0	0.34
C:20:1 Eicosenic Acid	%		1.0	0.19
Ricinoleic Acid		85.0	92.0	91.10
cis-11-Octadecenoic or other unidentified fatty acid	%		1.0	0.19
				0.71

Triglyceride Composition

RRO	%	2.5	5.0	3.51
RRS	%	0.2	0.8	0.55
RRL	%	2.0	4.0	3.32
RRR	%	90.0		92.62



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