



Shay and Company

Supplier of Wholesale Oils, Butters, Waxes, Candle Supplies and Essential Oils

Castor Oil

Lot# 8328

Country of Origin: India

Manufacture Date: 09/2022

Expiration Date: 09/2025

Ingredient Name (INCI): Ricinus Communis (Castor Oil)

Composition: 100% Castor Oil

Packaging: Drums, Pails, Buckets

Description: Light amber liquid, oily, almost odorless. Characteristic bland taste.

Applications: Skincare, Soap Manufacturing, Food

Certificates: Kosher, non-GMO

Method of Extraction: Expeller pressed

Plant Part Used: Seed

Vegan: Yes

Gluten Free: Yes

Allergen: None known

Food Grade: Yes

Properties/Analysis	Result	Range/Limit	UOM	Test Method
Appearance at 20°C	Pass	Clear oily liquid		Visual
Odor	Pass	Very slight, characteristic		Sensory
Specific Gravity at 25°C	0.9601	0.957 - 0.961	g/ml	USP 841
Unsaponifiable Matter	0.35	Max 0.8	%	USP 401
Moisture	0.13	Max 0.3	%	USP 921
Acid Value	0.84	Max 2.0	mg KOH/g	USP 401
Peroxide Value	0.3	Max 10.0	mEq/kg	USP 401
Hydroxyl Value	166.09	160 - 168		USP 401
Identification B- Distinct from other fixed oils	Pass	Meets Requirements		USP
Identification C- Ultraviolet Absorption (270nm)	1.15	0.7 - 1.5		USP
Elemental Impurities	Pass	Conforms to Limits		USP 233
Residual Solvents	No class 1,2 or 3 or any other solvent present			

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and Essential Oils

Fatty Acid Composition	Result	Range/Limit	UOM	Test Method
C16:0 Palmitic	1.12	Max 2.0	%	USP
C18:0 Stearic	1.15	Max 2.5	%	USP
C18:1 Oleic	3.35	2.5 - 6.0	%	USP
C18:2 Linoleic	4.5	2.5 - 7.0	%	USP
C18:3 Linolenic	0.44	Max 1.0	%	USP
C20:1 cis-11 Eicosenoic Acid	0.22	Max 1.0	%	USP
Ricinoleic Acid	88.35	0.85 - 92.0	%	USP
cis-11 Octadecenoic acid or any other unidentified fatty acid	0.87	Max 1.0	%	USP

Triglyceride Composition	Result	Range/Limit	UOM	Test Method
RRR	92.12	Min 90.0	%	USP
RRL	3.13	2.0 - 4.0	%	USP
RRO	4.05	2.5 - 5.0	%	USP
RRS	0.70	0.2 - 0.8	%	USP

Shelf life is guaranteed for three years from time of manufacture when stored in original, unopened container between 59° F to 86°F and protected from light. Shay and Company diligently sources and provides the highest quality ingredients, but it is the customer's responsibility to ensure the products purchase from Shay and Company meets their expectations. Any additional testing will be the responsibility of the customer.