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Certificate of Analysis

Product: Castor Oil-USP
Botanical name: *Ricinus communis*
Lot Number: 10634
Country of origin: India
Manufacture date: 01-April-2018
Expiration date: 01-April-2021

Parameters	Specification	Results
Appearance	Pale yellow to golden yellow liquid	Complies
Odor	Characteristic to castor oil	Complies
Solubility	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity /(g/cm ³) @25°C	0.950 – 0.970	0.956
Saponification Value	176 – 185	180.34
Moisture	< 0.35 %	0.24
Free Fatty Acid	< 1.5 %	.97
Iodine Value (gI ₂ /100g)	82 – 90	85.50
Hydroxyl Value	160 – 168	164.89
Heavy Metals %	0.001	<.001

Storage:

Store in well-filled, tightly sealed containers, in a cool dry place, away from direct sunlight. Avoid contact with iron.

This is a computer generated certificate of analysis and does not require a signature.