



The Source
for Imported &
Domestic
Vegetable Oils

TECHNICAL DATA

CASTOR OIL

CASTOR OIL, STANDARD OF QUALITY

The quality of castor oil described in the sales contract shall be the designated grade conforming to the standard specification of the INTERNATIONAL CASTOR OIL ASSOCIATION, INC. (ICOA), as follows.

Castor Oil, a clear viscous liquid of the following types shall be the triglyceride oil derived from the seed of the castor plant, genus *Ricinus communis*.

<u>VALUES</u>	<u>AOCS TEST METHODS</u>	<u>ICOA CASTOR OIL SPECIFICATIONS (2003)</u>
COLOR-LOVIBOND, 5¼" SCALE	Cc 13e-92	20 Y 2.0R MAX
HYDROXYL VALUE	Cd 13-60	160-168
VISCOSITY, STOKES	Tq 1a- 64	6.3-8.9
FREE FATTY ACIDS	Ca 5a-40	1.00% MAX
MOISTURE & VOLATILE	Ca 2c- 25	0.25% MAX
INSOLUBLE IMPURITIES	Ca 3a-46	0.02% MAX
RICINOLEIC ACID CONTENT	ISO 5508/9	85% MIN
APPEARANCE @ 25°C	CLEAR AND FREE OF SUSPENDED MATTER	
ODOR	SLIGHT, CHARACTERISTIC	
SOLUBILITY IN ALCOHOL @ 20°C	COMPLETE WITHOUT TURBIDITY IN TWO VOLUMES OF SPECIALLY DENATURED ALCOHOL FORMULA 3A (95%)	

ADDITIONAL GENERAL SPECIFICATIONS

SPECIFIC GRAVITY @ 25/25°C	Cc 10a-25	0.957-0.965
REFRACTIVE INDEX @ 25°C	Cc 7-25	1.476-1.479
IODINE VALUE	Cd 1d-92	83-88
SAPONIFICATION VALUE	Cd 3-25	175-185
UNSAAPONIFIABLE	Ca 6a-40	0.7% MAX
COLOR-GARDNER	Td 1a-64	3 MAX
ACID VALUE	Cd 3d-63	2 MAX

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