

Sr. No.	COMMODITY		COMMERCIAL CASTOR OIL	REFINED CASTOR OIL	REFINED CASTOR OIL	PALE PRESSED GRADE CASTOR OIL	COLD PRESSED CASTOR OIL
	TEST PARAMETER	TEST METHOD		FSG/NO. 1	NCO	PPG	CPCO
1.	Appearance	Visual	Yellowish, Viscous Clear Liquid	Pale Yellow Viscous Clear Liquid	Pale Yellow Viscous Clear Liquid	Pale Yellow Viscous Clear Liquid	Pale Yellow Viscous Clear Liquid
2.	Colour in 1" cell, (Y+5R) in Lovibond Tintometer, Units	AOCS Cc 13b-45	30 max (2R max)	.	.	.	.
	Colour in 5.25" cell, (Y+5R) in Lovibond Tintometer, Units	AOCS Cc 13b-45	.	20Y, 2R max	15Y, 1.5R max	10Y, 1.0R max	10Y, 1.0R max
3.	Free Fatty Acid (as oleic), %	AOCS Ca 5a-40	2.0 max	1.0 max	0.35 max	0.75 max	0.40 max
4.	Acid Value, mg KOH/g	AOCS Ca 5a-40	4.0 max	2.0 max	0.7 max	1.5 max	0.8 max
5.	Moisture, %	AOCS Ca 2C-25	0.5	0.25 max	0.25 max	0.25 max	0.25 max
6.	Insoluble Impurities, %	AOCS Ca 3a-46		0.02 max	0.02 max	0.02 max	0.02 max
7.	Specific Gravity at 30 deg C	AOCS Cc 10a-25	0.954 - 0.960	0.954 - 0.960	0.954 - 0.960	0.954 - 0.960	0.954 - 0.960
8.	Reflective Index at 40 deg C	AOCS Cc 7-25	1.4700 - 1.4740	1.4700 - 1.4740	1.4700 - 1.4740	1.4700 - 1.4740	1.4700 - 1.4740
9.	Iodine Value (Wij's method), g I ₂ / 100 g	AOCS Cd 1-25	82 - 90	82 - 90	82 - 90	82 - 90	82 - 90
10.	Saponification Value, mg KOH / g	AOCS Cd 3-25	177 - 185	177 - 185	177 - 185	177 - 185	177 - 185
11.	Hydroxyl Value	AOCS Cd 13-60	158 - 165	158 - 165	158 - 165	158 - 165	158 - 165
12.	Viscosity at 25 deg C, stokes	Brook Field	.	6.3 - 8.9	6.3 - 8.9	6.3 - 8.9	6.3 - 8.9
13.	Solubility in Ethyl alcohol	.	.	Complete soluble without turbidity	Complete soluble without turbidity	Complete soluble without turbidity	Complete soluble without turbidity
14.	Light Absorption at 269 nm	.	.	.	.	.	1.0 max