

PRODUCT CODE	ADWILCOCP	ADWILCOBP	ADWILCOUSP	ADWILCOEPV	ADWILCOEPR
PRODUCT DESCRIPTION	Cold Pressed Castor Oil	Castor Oil British Pharma (BP Grade)	Castor Oil (USP Grade)	Castor Oil Virgin (EP Grade)	Castor Oil Refined (EP Grade)
SPECIFICATION					
Appearance	Yellow viscous clear liquid	Clear liquid free of suspended matter	Clear liquid free of suspended matter	Clear slight yellow viscous hygroscopic liquid	Clear slight yellow viscous hygroscopic liquid
Free Fatty Acid (%)	0.4 Max	-	< 3.5 ml of 0.10 N NaOH (1.0% Max as oleic)	-	-
Acid Value mg KOH/g	0.8 Max	2 Max	-	1.5 Max	0.8 Max
Refractive Index @ 20 °C	1.477-1.481	1.477-1.481	-	1.477-1.481	1.477-1.481
Moisture & Volatile Matter (%)	0.3 Max	0.3 Max	-	0.20 Max	-
Iodine Value glz/ 100gm	82-90	82-90	83-88	-	-
Sap Value mg KOH/g	176-187	176-187	176-182	-	-
Unsap Matter (%)	0.8 Max	0.8 Max	-	0.8 Max	0.8 Max
Hydroxyl Value mg KOH/g	150 Min	150 Min	160-168	160 Min	160 Min
Relative Density	0.952-0.965	0.954-0.969 (at 20°C)	-	0.954-0.969	0.954-0.969
Colour In 5¼" Cell Lovibond Tintometer	10 Yellow, 1 Red Max	-	-	-	-
Colour Gardner	-	-	-	-	-
Optical Rotation	+3.5°to +6°	+3.5°to +6°	-	+3.5°to +6°	+3.5°to +6°
Peroxide Value Meq/kg	5 Max	5 Max	-	10 Max	5 Max
Heavy Metals, Method II	-	-	0.001% Max	-	-
Distinction from most other Fixed Oil	-	-	Passes	-	-
Specific Gravity (25°C)	-	-	0.957-0.961	-	-
Light Absorption (@ 270NM)	0.5 Max	1 Max	-	0.7 Max	0.7-1.5 Max
Solubility	Soluble in 2.5 part of ethanol 96%, slightly soluble in petroleum spirit miscible in all proportion with ethanol and glacial acetic acid	Soluble in 2.5 part of ethanol 96%, slightly soluble in petroleum spirit miscible in all proportion with ethanol and glacial acetic acid		Slightly soluble in light petroleum, miscible with ethanol (96%) and with glacial acetic acid	Slightly soluble in light petroleum, miscible with ethanol (96%) and with glacial acetic acid
Identification A,B,C,D	-	-	-	Complies	Complies
Palmitic Acid (C16%)	-	-	-	2 Max	2 Max
Stearic Acid (C18%)	-	-	-	2.5 Max	2.5 Max
Oleic Acid (C18%)	-	-	-	2.5-6 Max	2.5-6 Max

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SPECIFICATION					
Ricinoleic Acid (C18%)	-	-	-	85 Min	85 Min
Linoleic Acid (C18:2%)	-	-	-	2.5-7 Max	2.5-7 Max
Linolenic Acid (C18:3%)	-	-	-	1 Max	1 Max
Eicosenoic Acid (C20:1%)	-	-	-	1 Max	1 Max
Other Fatty Acids (%)	-	-	-	1 Max	1 Max
PACKAGING	ISO, Drums, Flexi. IBC	ISO, Drums, Flexi. IBC	ISO, Drums, Flexi. IBC	ISO, Drums, Flexi. IBC	ISO, Drums, Flexi. IBC

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For a healthy growing India

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