



THE OIL FAMILY

## SPECIFICATION SHEET

**PRODUCT NAME: CASTOR OIL BP, COLD PRESSED**

PRODUCT INCI: RICINUS COMMUNIS SEED OIL

PRODUCT CODE: K0107

CAS NUMBER: 8001-79-4

EINECS NUMBER: 232-293-8

MANUFACTURING METHOD: COLD PRESSED

SHELF LIFE: 12 MONTHS

DOCUMENTATION REVIEWED: 2021

ANALYTICAL DETAILS		RANGE %
APPEARANCE		VISCOUS OILY LIQUID
ODOUR		CHARACTERISTIC
COLOUR		CLEAR – PALE YELLOW
RELATIVE DENSITY @ 20°C (G/ML)		0.958 – 0.970
REFRACTIVE INDEX @ 20°C		1.477 – 1.481
PEROXIDE VALUE (MEQ O <sub>2</sub> /KG)		<10.0
IODINE VALUE (G/100G)		82.0 – 90.0
FREE FATTY ACID		<1.0
ACID VALUE		<1.5
SAPONIFICATION VALUE (MG KOH/GR)		176.0 – 187.0
HYDROXyl VALUE (MG KOH/G)		>160.0
UNSAAPONIFIABLE MATTER (%)		<0.8
OPTICAL ROTATION @ 20°C		+3.5 – +6.0
MOISTURE & IMPURITIES		<0.30
SPECIFIC ABSORBANCE		<0.7

FATTY ACID PROFILE		RANGE %
<b>C-CHAIN</b>	<b>ACID NAME</b>	
C16:0	PALMITIC	<2.0
C18:0	STEARIC	<2.5
C18:1	OLEIC	2.5 – 6.0
C18:1	RICINOLEIC	85.0 – 92.0
C18:2	LINOLEIC	2.5 – 7.0
C18:3	LINOLENIC	<1.0
C20:1	EICOSENOIC	<1.0

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