

CERTIFICATE OF ANALYSIS

PRODUCT NAME: CASTOR OIL BP, COLD PRESSED

LOT NUMBER: LOT0026022

PRODUCT INCI: RICINUS COMMUNIS SEED OIL

PRODUCT CODE: K0107 / K0107C

CAS NUMBER: 8001-79-4

EINECS NUMBER: 232-293-8

MANUFACTURING METHOD: COLD PRESSED

MANUFACTURING DATE: 04/03/2025

BEST BEFORE DATE: 04/11/2026

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	VISCOUS OILY LIQUID	COMPLIES
ODOUR	CHARACTERISTIC	COMPLIES
COLOUR	CLEAR – PALE YELLOW	COMPLIES
RELATIVE DENSITY @ 20°C (G/ML)	0.958 – 0.970	0.9602
REFRACTIVE INDEX @ 20°C	1.477 – 1.481	1.4786
PEROXIDE VALUE (MEQ O ₂ / KG)	<10.0	0.59
IODINE VALUE (G/100G)	82.0 – 90.0	84.66
FREE FATTY ACID	<1.0	0.39
ACID VALUE	<1.5	0.78
SAPONIFICATION VALUE (MG KOH/GR)	176.0 – 187.0	180.29
HYDROXL VALUE (MGKOH/G)	>160.0	166.27
UNSAAPONIFIABLE MATTER (%)	<0.8	0.36
OPTICAL ROTATION @ 20°C	+3.5 – +6.0	+3.7
MOISTURE & IMPURITIES	<0.30	0.13
SPECIFIC ABSORBANCE	<0.7	0.555

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	<2.0	1.13
C18:0	STEARIC	<2.5	1.27
C18:1	OLEIC	2.5 – 6.0	3.39
C18:1	RICINOLEIC	85.0 – 92.0	88.44
C18:2	LINOLEIC	2.5 – 7.0	4.41
C18:3	LINOLENIC	<1.0	0.44
C20:1	EICOSENOIC	<1.0	0.30

The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records with O&3 regularly. The information is not to be considered a guarantee or warranty, or a part of our contractual or other legal obligations. The information is not to be disclosed to others, reproduced or transmitted in whole or in part without permission from O&3.