

## CERTIFICATE OF ANALYSIS

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

**Bomar Batch: R0237 (LOT NUMBER: LOT0016281)**

PRODUCT INCI: RICINUS COMMUNIS SEED

PRODUCT CODE: K0109

CAS NUMBER: 8001-79-4

EINECS NUMBER: 232-293-8

MANUFACTURING METHOD: COLD PRESSED

MANUFACTURING DATE: 23/08/22

BEST BEFORE DATE: 23/06/24

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	VISCOUS OILY LIQUID	-
ODOUR	CHARACTERISTIC	-
COLOUR	CLEAR – PALE YELLOW	-
SPECIFIC GRAVITY @ 20°C	0.954 – 0.980	0.9612
REFRACTIVE INDEX @ 20°C	1.470 – 1.481	1.4787
PEROXIDE VALUE (MEQ O <sub>2</sub> / KG)	<20.0	0.53
IODINE VALUE (G/100G)	82.0 – 90.0	84.54
ACID VALUE	<5.0	0.28
SAPONIFICATION VALUE (MG KOH/GR)	176.0 – 187.0	180.30
HYDROXL VALUE (MGKOH/G)	>150.0	164.35

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	<2.0	1.58
C18:0	STEARIC	<2.5	1.39
C18:1	OLEIC	2.0 – 6.0	3.71
C18:1	RICINOLEIC	85.0 – 95.0	87.42
C18:2	LINOLEIC	1.0 – 7.0	4.58
C18:3	LINOLENIC	<1.0	0.42

*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 Bomar regularly. The information is not and should not 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 Bomar.*