

# BOMAR

## CERTIFICATE OF ANALYSIS

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

**Bomar Batch No: Q0623** (LOT NUMBER: LOT0013112)

PRODUCT INCI: RICINUS COMMUNIS SEED

PRODUCT CODE: K0109

CAS NUMBER: 8001-79-4

EINECS NUMBER: 232-293-8

MANUFACTURING METHOD: COLD PRESSED

MANUFACTURING DATE: 24/02/2022

BEST BEFORE DATE: 24/12/2023

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	VISCOUS OILY LIQUID	-
ODOUR	CHARACTERISTIC	-
COLOUR	CLEAR – PALE YELLOW	-
SPECIFIC GRAVITY @ 20°C	0.954 – 0.980	0.9609
REFRACTIVE INDEX @ 20°C	1.470 – 1.481	1.4786
PEROXIDE VALUE (MEQ O <sub>2</sub> /KG)	<20.0	4.7
IODINE VALUE (G/100G)	82.0 – 90.0	85.66
ACID VALUE	<5.0	0.44
SAPONIFICATION VALUE (MG KOH/GR)	176.0 – 187.0	180.34
HYDROXL VALUE (MGKOH/G)	>150.0	164.61

FATTY ACID PROFILE		RANGE %	RESULTS
<b>C-CHAIN</b>	<b>ACID NAME</b>		
C16:0	PALMITIC	<2.0	1.22
C18:0	STEARIC	<2.5	1.37
C18:1	OLEIC	2.0 – 6.0	3.76
C18:1	RICINOLEIC	85.0 – 95.0	87.56
C18:2	LINOLEIC	1.0 – 7.0	4.67
C18:3	LINOLENIC	<1.0	0.34

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