

## CERTIFICATE OF ANALYSIS

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

**LOT NUMBER: Q1169 (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

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