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CERTIFICATE OF ANALYSIS

PRODUCT NAME: CASTOR OIL, COLD PRESSED ORGANIC

LOT NUMBER: LOT0004816

PRODUCT INCI: RICINUS COMMUNIS SEED OIL

PRODUCT CODE: K0109

CAS NUMBER: 8001-79-4

EINECS NUMBER: 232-293-8

MANUFACTURING METHOD: COLD PRESSED

MANUFACTURING DATE: 18/11/2019

BEST BEFORE DATE: 18/05/2021

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	VISCOUS OILY LIQUID	-
ODOUR	CHARACTERISTIC	-
COLOUR	CLEAR – PALE YELLOW	-
SPECIFIC GRAVITY @ 20°C	0.954 – 0.980	0.9597
REFRACTIVE INDEX @ 20°C	1.470 – 1.481	1.4786
PEROXIDE VALUE (MEQ O ₂ /KG)	<20.0	1.84
IODINE VALUE (G/100G)	82.0 – 90.0	85.37
ACID VALUE	<5.0	0.36
SAPONIFICATION VALUE (MG KOH/GR)	176.0 – 187.0	180.22
HYDROXL VALUE (MGKOH/G)	>150.0	164.67

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	<2.0	1.12
C18:0	STEARIC	<2.5	1.26
C18:1	OLEIC	2.0 – 6.0	3.58
C18:1	RICINOLEIC	85.0 – 95.0	88.1
C18:2	LINOLEIC	1.0 – 7.0	4.65
C18:3	LINOLENIC	<1.0	0.47