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## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: BROCCOLI SEED OIL, COLD PRESSED ORGANIC**

**LOT NUMBER: LOT0007191**

**PRODUCT INCI: BRASSICA OLERACEA ITALICA OIL**

**PRODUCT CODE: K0078**

**CAS NUMBER: 223749-36-8**

**EINECS NUMBER: NOT AVAILABLE**

**MANUFACTURING METHOD: COLD PRESSED**

**MANUFACTURING DATE: 01/07/2020**

**BEST BEFORE DATE: 01/01/2022**

ANALYTICAL DETAILS		RANGE %	RESULTS
APPEARANCE		OILY LIQUID	-
ODOUR		CHARACTERISTIC	-
COLOUR		YELLOW - GREEN	-
SPECIFIC GRAVITY @ 20°C		0.907 – 0.919	0.910
REFRACTIVE INDEX @ 20°C		1.461 – 1.475	1.472
PEROXIDE VALUE (MEQ O <sub>2</sub> / KG)		<20.0	10.0
IODINE VALUE		86.0 – 120.0	95
ACID VALUE		<3.0	1.11
SAPONIFICATION VALUE		168.0 – 190.0	175

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	<5.5	2.8
C18:0	STEARIC	<6.5	1.1
C18:1	OLEIC	<40.5	15.6
C18:2	LINOLEIC	<18.5	14.0
C18:3	LINOLENIC	<8.0	6.7
C20:1	EICOSENOIC	<11.0	9.9
C22:1	ERUCIC	30.0 – 50.0	43.2