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## Certificate of Analysis Sheet Organic Broccoli Seed Oil (*Brassica oleracea italica*)

BATCH NUMBER: 190721-3
ORIGIN: GERMANY
PRODUCT INCI: BRASSICA OLERACEA ITALICA SEED OIL
CAS NUMBER: 223749-36-8
MANUFACTURING METHOD: COLD PRESSED
MANUFACTURING DATE: 22/04/2021

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
ODOUR	CHARACTERISTIC	-
COLOUR	YELLOW - GREEN	-
SPECIFIC GRAVITY @ 20°C	0.907 - 0.919	0.914
REFRACTIVE INDEX @ 20°C	1.461 - 1.475	1.475
PEROXIDE VALUE (MEQ O <sub>2</sub> / KG)	<20.0	1.6
IODINE VALUE	86.0 - 120.0	96.5
ACID VALUE	<3.0	1.5
SAPONIFICATION VALUE	168. - 190.0	182.8

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	<5.5	2.38
C18:0	STEARIC	<6.5	1.26
C18:1	OLEIC	<40.5	14.93
C18:2	LINOLEIC	<20.0	15.12
C18:3	LINOLENIC	<10.0	8.24
C20:1	EICOSENOIC	<13.0	8.24
C22:1	ERUCIC	30.0 - 50.0	45.83
C24:1	NERVONIC	<2.0	0.2

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