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CERTIFICATE OF ANALYSIS

PRODUCT NAME: BLACKCURRANT SEED OIL, 15% GLA REFINED

LOT NUMBER: LOT0004011

PRODUCT INCI: RIBES NIGRUM

PRODUCT CODE: K0070

CAS NUMBER: 97676-19-2

EINECS NUMBER: N/A

MANUFACTURING METHOD: EXPPELLER PRESSED, REFINED

MANUFACTURING DATE: 29/08/2019

BEST BEFORE END DATE: 29/08/2021

ANALYTICAL DETAILS		RANGE %	RESULTS
APPEARANCE		OILY LIQUID	-
ODOUR		ODOURLESS	-
COLOUR		CLEAR – LIGHT YELLOW	-
COLOUR GARDNER		< 8.0	7.9
SPECIFIC GRAVITY @ 20°C		0.920 – 0.935	0.926
REFRACTIVE INDEX @ 20°C (NR)		1.478 – 1.484	1.4798
FREE FATTY ACID (% AS OLEIC)		< 0.5	-
PEROXIDE VALUE (MEQ O ₂ / KG)		<15.0	1.6
IODINE VALUE		10.0 – 22.0	-
ACID VALUE		<1.0	0.27
SAPONIFICATION VALUE (MG KOH/GR)		185.0 – 195.0	189.0
UNSAPONIFIABLE MATTER		< 2.5	1.15

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	5.0 – 8.5	6.2
C18:0	STEARIC	1.0 – 3.0	1.4
C18:1	OLEIC	8.0 – 16.0	10.3
C18:2	LINOLEIC	43.0 – 50.0	48.3
C18:3	ALPHA-LINOLENIC	12.0 – 16.0	14.7
C18:3	GAMMA-LINOLENIC	>15	15.4
C18:4	STEARIDONIC	>2.0	2.6

FREE FROM TESTS	
APRICOT & PEACH KERNEL OIL	PASS
SESAME SEED OIL	PASS
COTTONSEED OIL	PASS
ARACHIS OIL	PASS
MINERAL OIL	PASS
FOREIGN OILS	PASS