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CERTIFICATE OF ANALYSIS

PRODUCT NAME: CAROTENE, INFUSED IN SUNFLOWER OIL

LOT NUMBER: Lot0001414

PRODUCT INCI: DUNALIELLA SALINA EXTRACT & HELIANTHUS ANNUS SEED OIL

PRODUCT CODE: K0103

CAS NUMBER: 84650-60-2 & 8001-21-6

EINECS NUMBER: 283-519-7 & 232-273-9

MANUFACTURING METHOD: NATURAL HERB INFUSION IN SUNFLOWER OIL.

MANUFACTURING DATE: 28/09/2018

BEST BEFORE DATE: 28/09/2020

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
ODOUR	CHARACTERISTIC	-
COLOUR	RED – ORANGE	-
REFRACTIVE INDEX @ 20°C	1.460 – 1.485	1.470
SPECIFIC GRAVITY @ 20°C	0.905 – 0.932	0.912
PEROXIDE VALUE (MEQ O ₂ / KG)	<20.0	4.0

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	4.0 – 8.0	4.4
C16:1	PALMITOLEIC	<1.0	0.3
C18:0	STEARIC	2.0 – 6.5	3.3
C18:1	OLEIC	14.0 – 40.0	24.7
C18:2	LINOLEIC	50.0 – 80.0	54.8
C18:3	ALPHA LINOLENIC	<2.0	1.1
C20:0	ICOSANOIC	<1.0	0.15
C20:1	ICOSENOIC	<1.0	-
C22:0	BEHENIC	<1.0	-

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