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CERTIFICATE OF ANALYSIS

PRODUCT NAME: CAROTENE, INFUSED IN SUNFLOWER OIL

LOT NUMBER: Lot0003931

PRODUCT INCI: DUNALIELLA SALINA EXTRACT & HELIANTHUS ANNUUS SEED OIL

PRODUCT CODE: K0103

CAS NUMBER: 801-21-6 & 7235-40-7

EINECS NUMBER: 232-273-9 & 230636-6

MANUFACTURING METHOD: NATURAL HERB INFUSION IN SUNFLOWER OIL.

MANUFACTURING DATE: 20/08/2019

BEST BEFORE DATE: 20/08/2021

ANALYTICAL DETAILS		RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-	-
ODOUR	CHARACTERISTIC	-	-
COLOUR	RED – ORANGE	-	-
REFRACTIVE INDEX @ 20°C	1.460 – 1.485	1.477	
SPECIFIC GRAVITY @ 20°C	0.905 – 0.932	0.912	
PEROXIDE VALUE (MEQ O ₂ / KG)	<20.0	3.8	

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	4.0 – 8.0	6.7
C16:1	PALMITOLEIC	<1.0	0.6
C18:0	STEARIC	2.0 – 6.5	3.4
C18:1	OLEIC	14.0 – 40.0	24.8
C18:2	LINOLEIC	50.0 – 80.0	57.9
C18:3	ALPHA LINOLENIC	<2.0	0.9
C20:0	ICOSANOIC	<1.0	0.15
C20:1	ICOSENOIC	<1.0	-
C22:0	BEHENIC	<1.0	-