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CERTIFICATE OF ANALYSIS

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PRODUCT NAME: CAROTENE, INFUSED IN SUNFLOWER OIL
LOT NUMBER: LOT0018192
PRODUCT INFO: DUNALIELLA SALINA EXTRACT & HELIANTHUS ANNUUS SEED OIL
PRODUCT CODE: K103
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: 23/03/2023
BEST BEFORE DATE: 23/03/2025

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	0.914
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	5.5
C16:1	PALMITOLEIC	<1.0	0.5
C18:0	STEARIC	2.0 - 6.5	3.5
C18:1	OLIC	14.0 - 40.0	24.0
C18:2	LINOLEIC	50.0 - 80.0	56.2
C18:3	ALPHA LINOLENIC	<2.0	1.5
C20:0	ICOSANOIC	<1.0	0.5
C20:1	ICOSENOIC	<1.0	-
C22:0	BEHIC	<1.0	-