



SPECIFICATION

PRODUCT NAME: CAROTENE, INFUSED IN SUNFLOWER OIL

PRODUCT INCI: BETA-CAROTENE & HELIANTHUS ANNUUS SEED OIL

PRODUCT CODE: K0103

CAS NUMBER: 7235-40-7 & 8001-21-6

EINECS NUMBER: 230-636-6 & 232-273-9

MANUFACTURING METHOD: NATURAL HERB INFUSION

BEST BEFORE END: 24 MONTHS

ANALYTICAL DETAILS		RANGE %
APPEARANCE		OILY LIQUID
ODOUR		CHARACTERISTIC
COLOUR		RED - ORANGE
REFRACTIVE INDEX @ 20°C		1.460 – 1.485
SPECIFIC GRAVITY @ 20°C		0.902 – 0.930
PEROXIDE VALUE (MEQ O ₂ / KG)		<20.0
CAROTENE CONTENT (%)		0.77 – 0.83

FATTY ACID PROFILE		RANGE %
C-CHAIN	ACID NAME	
C16:0	PALMITIC	4.0 – 9.0
C18:0	STEARIC	<7.0
C18:1	OLEIC	14.0 - 42.0
C18:2	LINOLEIC	48.0 - 75.0
C18:3	LINOLENIC	<0.5

DATE	ISSUED BY	VERSION	REASON FOR UPDATE
29/05/2023	J. G	2.0	Changes in: CAS/EC numbers; Added: Carotene content

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