

CERTIFICATE OF ANALYSIS

PRODUCT NAME: SAFFLOWER HIGH LINOLEIC OIL, REFINED

BOMAR BATCH: P0587 (LOT0010596)

PRODUCT INCI: CARTHAMUS TINCTORIUS SEED OIL

PRODUCT CODE: K0405

CAS NUMBER: 8001-23-8

EINECS NUMBER: 232-276-5

MANUFACTURING METHOD: EXPPELLER PRESSED & REFINED

MANUFACTURING DATE: 01/03/2021

BEST BEFORE END DATE: 01/03/2023

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
COLOUR	LIGHT YELLOW – DARK YELLOW	-
ODOUR	ODOURLESS	-
SPECIFIC GRAVITY @ 20°C	0.918 – 0.924	0.9203
REFRACTIVE INDEX @ 20°C	1.472 – 1.479	1.4764
SAPONIFICATION VALUE	188.0 – 195.0	190.7
PEROXIDE VALUE	<10.0	0.4
IODINE VALUE	135 - 150	146.8
ACID VALUE	<2.0	0.08

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C14:0	MYRISTIC	<0.2	NO TRACE
C16:0	PALMITIC	4.0 – 11.0	6.3
C18:0	STEARIC	1.0 – 5.5	2.7
C18:1	OLEIC	8.0 – 22.0	12.4
C18:2	LINOLEIC	65.0 – 85.0	77.4
C18:3	LINOLENIC	<0.5	0.12
C20:0	ARACHIDIC	<0.5	0.14
C20:1	EICOSENOIC	<0.5	0.12
C22:0	BEHENIC	<1.0	0.09

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