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## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: ALMOND (SWEET) BP73 OIL, REFINED**

**LOT NUMBER: LOT0005599**

**PRODUCT INCI: PRUNUS AMYGDALUS DULCIS OIL**

**PRODUCT CODE: K0006**

**CAS NUMBER: 8007-69-0 / 90320-37-9**

**EINECS NUMBER: 291-063-5**

**MANUFACTURING METHOD: EXPELLER PRESSED, REFINED**

**MANUFACTURING DATE: 13/02/2020**

**BEST BEFORE DATE: 13/02/2022**

ANALYTICAL DETAILS	RANGE	RESULTS
APPEARANCE	PALE YELLOW - CLEAR OILY LIQUID	-
ODOUR	ODOURLESS	-
COLOUR LOVIBOND (5.25" CELL)	≤ 25y, 2.5r	6.2Y, 1.0R
RELATIVE DENSITY @ 20°C	0.910 – 0.915	0.912
REFRACTIVE INDEX @ 20°C	1.470 – 1.473	1.4709
FREE FATTY ACID (% AS OLEIC)	≤ 1.0	-
PEROXIDE VALUE (MEQ O <sub>2</sub> / KG)	<10.0	1.2
IODINE VALUE (CALC)	95 - 102	99
ACID VALUE	<2.0	0.2
SAPONIFICATION VALUE (MG/KOH/GR)	188 - 196	189

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	3.0 – 9.0	5.1
C18:0	STEARIC	1.0 - 3.0	2.9
C18:1	OLEIC	60.0 – 75.0	67.1
C18:2	LINOLEIC	20.0 – 30.0	22.9
C18:3	LINOLENIC	< 0.5	0.1
C20:0	ARACHIDIC	< 0.3	0.2
C20:1	EICOSENOIC	< 0.3	0.2
C22:0	BEHENIC	< 0.6	0.8
C24:0	LIGNOCERIC	< 0.5	0.3