

# AKÖMA™

## FROM THE HEART

### CERTIFICATE OF ANALYSIS PUMPKIN SEED OIL ORGANIC (COLD PRESSED)

#### DESCRIPTION

Description: Pumpkin Seed Oil, CP Organic

Inci Name: Cucurbita Pepo Seed Oil

Cas No: 8016-49-7 / 89998-03-8

Einecs No: - / 289-741-0

#### CHARACTERISTICS

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE	A clear green-brown to red- brown oil	Conforms
TASTE AND SMELL	Typical	Conforms
COLOUR (LOVIBOND 1 " CELL)	< 20R, 15Y, 10B	Conforms
COLOUR (GARDNER)	N/S	N/D
REFRACTIVE INDEX @ 20°C	1.471 – 1.475	1.4731
SPECIFIC GRAVITY @ 20 °C	0.915 – 0.925	0.9177
FREE FATTY ACID (% AS OLEIC)	≤ 5.0	0.73
IODINE VALUE (g / 100g)	110 – 130	N/D
PEROXIDE VALUE (Meq / kg)	≤ 8.0	2.2
SAPONIFICATION VALUE	180 – 210	191
UNSAAPONIFIABLE MATTER	≤ 2.5	1.18
ACID VALUE (MG KOH / g)	≤ 10.0	1.47
ANISIDINE VALUE	≤ 20.0	2.4
TOTOX VALUE	≤ 25.0	6.8
BENZO (A) PYRENE (ug/kg)	≤ 2.0	< 0.2
SUM OF DIOXINS AND FURANS (AS WHO-PCDD/F-TEQ/G) <sup>1</sup> (PG/G)	≤ 0.75	<0.185
SUM OF DIOXINS, FURANS, DIOXIN-LIKE PCBs (WHO-PCDD/F-PCB-TEQ/G) <sup>1</sup> (PG/G)	≤ 1.25	<0.314
MOISTURE & VOLATILE MATTER (%)	≤ 0.1	N/D
SALMONELLA (CFU/G)	Absent	N/D
YEAST & MOULDS (CFU/G)	≤ 100	<1

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*Pumpkin Seed Oil Organic (Cold Pressed) - COA*

TOTAL VIABLE COUNT (TVC) (CFU/G)	≤ 1000	<10
E. COLI (CFU/G)	≤ 1	N/D
STAPHYLOCOCCUS AUREUS (CFU/G)	≤ 10	N/D
PESTICIDE RESIDUES IN ACCORDANCE WITH EUROPEAN FOOD LAW	Complies	N/D

	ACID NAME	C-CHAIN	RANGE	RESULT
<b>FATTY ACID PROFILE (MAJOR ACIDS)</b>	LESS	< C16:0	≤ 0.3	<0.2
	PALMITIC	C16:0	8.0 – 16.0	12.3
	STEARIC	C18:0	3.0 – 7.0	6.0
	OLEIC	C18:1	18.0 – 38.0	23.0
	LINOLEIC	C18:2	40.0 – 62.0	54.8
	ALPHA LINOLENIC	C18:3	≤ 3.0	0.5
	ERUCIC	C22:1	N/S	0.1

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