

AKÖMA™

FROM THE HEART

CERTIFICATE OF ANALYSIS CHERRY KERNEL OIL (REFINED)

DESCRIPTION

Product: Cherry Kernel Oil (Refined)

INCI Name: Prunus Avium Seed Oil

CAS No: 85566-22-9

EINECS No: 287-632-2

CHARACTERISTICS

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE @ 20°C	Clear , light yellow liquid	Complies
ODOUR	Almost odourless	Complies
COLOUR (LOVIBOND 5.25" CELL)	≤ 30y, 2.5 r	13.0 y, 1.3 r
RELATIVE DENSITY @ 15.5°C (gr/cm ³)	0.910 – 0.925	0.921
REFRACTIVE INDEX @ 20°C	1.470 - 1.480	1.476
FREE FATTY ACID (% AS OLEIC)	≤ 0.5	0.1
IODINE VALUE (grI ₂ /100 gr)	125 - 135	133
PEROXIDE VALUE (Meq / kg)	≤ 3.0	2.4
SAPONIFICATION VALUE	185 - 200	192
ACID VALUE	≤ 1.0	0.2

	ACID NAME	C-CHAIN	RANGE	RESULT
FATTY ACID PROFILE (MAJOR ACIDS)	PALMITIC	C16:0	6.0 - 10.0	8.2
	STEARIC	C18:0	1.0 - 4.0	2.4
	OLEIC	C18:1	30.0 - 45.0	36.1
	LINOLEIC	C18:2	40.0 - 50.0	45.6
	LINOLENIC	C18:3	≤ 0.8	0.4
	ELEOSTEARIC	C18:3	5.0 – 10.0	6.2
	ICOSANOIC	C20:0	≤ 0.8	0.4

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Cherry Kernel Oil (Refined) - COA