

AKÖMA™

FROM THE HEART

CERTIFICATE OF ANALYSIS MORINGA OIL (COLD PRESSED) FAIRLY TRADED

DESCRIPTION

Product: Moringa Oil (Cold Pressed) Fairly Traded **Batch No:** KMO6522
INCI Name: Moringa Oleifera Seed Oil
CAS No: 93165-54-9
EINECS No: 296-941-1

CHARACTERISTICS

ANALYTICAL DETAILS	RANGE	RANGE
PHYSICAL STATE	Mobile liquid, may solidify	Complies
COLOUR	Yellow to green	Complies
ODOUR	Mid nutty characteristics	Complies
SPECIFIC GRAVITY @ 20°C	0.900 – 0.920	0.908
FREE FATTY ACID (% AS OLEIC)	≤ 5.0	2.1
IODINE VALUE (CALC)	65 – 95	69.6
PEROXIDE VALUE (MEQ / KG)	≤ 6.0	4.81
SAPONIFICATION VALUE	185 – 200	191.7
UNSAPONIFIABLE MATTER	≤ 1.5	N/D

FATTY ACID PROFILE (MAJOR ACIDS)	ACID NAME	C-CHAIN	RANGE	RESULT
	PALMITIC	C16:0	5.0 – 8.0	5.8
	PALMITOLEIC	C16:1	≤ 3.0	1.3
	STEARIC	C18:0	4.0 – 8.0	4.6
	OLEIC	C18:1	65.0 – 80.0	70.6
	LINOLEIC	C18:2	≤ 1.0	0.6
	ALPHA LINOLENIC	C18:3	≤ 0.5	N/D
	ICOSANOIC	C20:0	≤ 5.0	2.7
	ICOSENOIC	C20:1	1.0 – 3.0	1.6
	DOCOSANOIC	C22:0	4.0 – 8.0	5.5
	DOCOSANOIC	C22:1	≤ 0.2	N/D
	TETRACOSANOIC	C24:0	≤ 2.0	N/D

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Moringa Oil (Cold Pressed) Fairly Traded - COA