

AKÖMA™

FROM THE HEART

CERTIFICATE OF ANALYSIS BLACKCURRANT SEED OIL

DESCRIPTION

Product: Blackcurrant Seed Oil
INCI Name: Ribes Nigrum (Black Currant) Oil
CAS No: 97676-19-2
EINECS No: N/A

CHARACTERISTICS

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE	Clear, pale yellow oil	Complies
TASTE	Typical	Complies
SMELL	Typical	Complies
COLOUR (GARDENER)	≤ 8.0	5.8
REFRACTIVE INDEX @ 20°C	1.475 – 1.482	1.4800
SPECIFIC GRAVITY @ 20°C	0.915 – 0.935	0.9257
FREE FATTY ACID (% AS OLEIC)	≤ 2.0	0.56
IODINE VALUE (CALC)	145 – 185	165
PEROXIDE VALUE (Meq / kg)	≤ 3.0	1.5
SAPONIFICATION VALUE	185 – 195	191.0
UNSATURATED MATTER (%)	≤ 2.5	1.38
ACID VALUE	≤ 1.0	0.28
ANISIDIN VALUE	≤ 20.0	15.1
TOTOX VALUE	≤ 25.0	17.1

	ACID NAME	C-CHAIN	RANGE	RESULT
FATTY ACID PROFILE (MAJOR ACIDS)	PALMITIC	C16:0	6.0 – 8.0	5.9
	PALMITOLEIC	C16:1	≤ 0.5	0.2
	STEARIC	C18:0	1.0 – 3.0	1.5
	OLEIC	C18:1	10.0 -16.0	9.7
	LINOLEIC	C18:2	43.0 - 50.0	49.2
	ALPHA LINOLENIC	C18:3	12.0 – 16.0	14.0
	GAMMA LINOLENIC	C18:3	Min 14.0	14.7
	STEARIDONIC	C18:4	2.0 – 4.0	2.9
	ICOSANOIC	C20:0	≤ 1.0	≤ 1.0
	EICOSENOIC	C20:1	≤ 3.0	≤ 3.0
	BEHENIC	C22:0	≤ 1.0	≤ 1.0

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