

# AKÖMA™

## FROM THE HEART

### CERTIFICATE OF ANALYSIS CRANBERRY SEED OIL, COLD PRESSED

#### DESCRIPTION

Description: Cranberry Seed Oil, Cold Pressed  
Inci Name: Vaccinium Macrocarpon Oil  
Cas Nos: 91770-88-6  
Einecs No: 294-875-8  
Manufacturing: Cold Pressed

#### CHARACTERISTICS

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	Conforms
COLOUR	GREEN – DARK GREEN	Conforms
ODOUR	CHARACTERISTIC	Conforms
SPECIFIC GRAVITY @ 20°C	0.915 – 0.930	0.923
SAPONIFICATION VALUE	180.0 – 200.0	190.0
ACID VALUE	<5.0	1.43
IODINE VALUE	149.0 - 188.0	169
PEROXIDE VALUE	<20.0	11
FREE FATTY ACID	<2	1.03

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	3.0 – 6.0	4.7
C16:1	PALMITOLEIC	>0.5	0.26
C18:0	STEARIC	0.5 - 2.0	1.42
C18:1	OLEIC	22.0 – 26.0	22.5
C18:2	LINOLEIC	30.0 – 38.0	35.5
C18:3	GAMMA LINOLENIC	30.0 – 38.0	30.0
C21:1	ICOSENIC	<1.0	0.44
C24:0	TETRACOSANOIC	<1.0	0.12

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*Cranberry Seed Oil, Cold Pressed - COA*