



## Certificate of analysis of organic sea buckthorn fruit oil cold pressed

<b>1. General information:</b>		
Article:	Organic sea buckthorn fruit oil, food grade	
Lot:	BB25/0222	
TARIC No.:	15159059009	
Shelf-life:	At least 16 months from date of delivery, under appropriate packaging conditions	
Production:	Organic sea buckthorn fruit oil is the fatty oil obtained from the fruit of sea buckthorn ( <i>Hippophae rhamnoides</i> ) through cold pressing and filtration.	
Supplier/ Producer:	Biokhaan, 8 Place Roger Salengro 31700 Toulouse Email: info@biokhaan.com	
<b>2. Organoleptic parameters:</b>	<b>Values:</b>	<b>Corresponds</b>
Shape:	Liquid	Yes
Colour:	Yellow	Yes
Odor:	Characteristic	Yes
Taste:	Oily, characteristic	Yes
<b>3. Chem. Phys. Parameters</b>	<b>Values:</b>	<b>Corresponds</b>
Peroxide value:	< 30 meqO <sub>2</sub> /Kg	7.5
Acid value	< 15 mgKOH/g	6.2
<b>4. Fatty acid composition:</b>	<b>Values:</b>	<b>Corresponds</b>
Palmitic acid C 16:0	25.0 – 40.0%	27.3
Palmitoleic acid C 16:1	22.0 – 38%	33.4
Stearic acid C18:0	< 3.0%	1.0
Oleic acid C 18:1	10.0 – 28.0%	22.3
Linoleic acid C 18:2	1.0 – 9.0 %	8.4
<b>5. Vitamins:</b>	<b>per 100g:</b>	<b>Daily amount*:</b> *EU 2011/1169/EC
Vitamin A (Retinol)	not determined	800 µg
Vitamin D3	not determined	5 µg
Vitamin E (mg)/ DL-alpha-Tocopherolacetat d,l-alpha-Tocopherol	not determined	12 mg
Vitamin K (µg)	not determined	75 µg
Vitamin C (mg)	not determined	80 mg
Vitamin B1 (Thiamin) (mg)	not determined	1.1 mg
Vitamin B2 (Riboflavin) (mg)	not determined	1.4 mg
Vitamin B3 (Niacin) (mg)	not determined	16 mg
Vitamin B5 (Pantothenic acid) (mg)	not determined	6 mg
Vitamin B6 (Pyridoxin) (mg)	not determined	1.4 mg
Vitamin B7 (Biotin) (µg)	not determined	50 µg
Vitamin B9 (Folic acid) (µg)	not determined	200 µg
Vitamin B12 (Cobalamin) (µg)	not determined	2.5 µg



<b>6. Minerals:</b>	<i>per 100g:</i>	<i>Daily amount*: *EU 2011/1169/EC</i>
<i>Potassium</i>	<i>not determined</i>	<i>2000 mg</i>
<i>Chloride</i>	<i>not determined</i>	<i>800 mg</i>
<i>Calcium</i>	<i>not determined</i>	<i>800 mg</i>
<i>Phosphorus</i>	<i>not determined</i>	<i>700 mg</i>
<i>Magnesium</i>	<i>not determined</i>	<i>375 mg</i>
<i>Iron</i>	<i>not determined</i>	<i>14 mg</i>
<i>Sodium</i>	<i>not determined</i>	<i>550 mg</i>
<b>7. Trace elements:</b>	<i>per 100g:</i>	<i>Daily amount*: *EU 2011/1169/EC</i>
<i>Fluorine (mg)</i>	<i>not determined</i>	<i>3.5 mg</i>
<i>Iodine</i>	<i>not determined</i>	<i>150 µg</i>
<i>Copper</i>	<i>not determined</i>	<i>1 mg</i>
<i>Manganese</i>	<i>not determined</i>	<i>2 mg</i>
<i>Zink</i>	<i>not determined</i>	<i>10 mg</i>
<i>Selenium</i>	<i>not determined</i>	<i>55 µg</i>
<i>Chromium</i>	<i>not determined</i>	<i>40 µg</i>
<i>Molybdenum</i>	<i>not determined</i>	<i>50 µg</i>
<b>8. Contaminants:</b>	<i>not determined</i>	
<i>Pesticides:</i>		
<i>Hexane:</i>	<i>&lt; 0.01 mg/kg</i>	
<i>Acetone:</i>	<i>Not detectable</i>	
<i>Microbiological contamination:</i>	<i>Not detectable</i>	
	<i>Vegetable oils are a sterile product, without air or water, where bacteria, whether aerobe or anaerobe, cannot develop and survive. Due to the absence of moisture in the oil, microorganisms cannot develop.</i>	
<i>n. d. = not detectable or below the laboratory limit.</i>		
<b>9. Other data:</b>		
<i>The values given in this analysis certificate are subject to natural fluctuations. They change due to the type of storage, the storage period, the analytical method, the analytical instrument used, the calibration of the analytical instrument and the competence of the laboratory worker. They are therefore purely informative and non-binding. All values have been compiled to the best of our knowledge and belief.</i>		
<i>This certificate of analysis does not release customers from their quality responsibility when processing our product.</i>		