



TEST REPORT No. P 2673

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Owner of samples : Heaven Labs s.r.o.
P átelství 172/42
104 00 Praha 10 - Uh ín ves

Order No.: 1107/P
Delivery method : by post
Delivery date : 1.7.2015
Analysis finalization date: 23.7.2015

Requested analyses : chemical

Sample	
No.	Description
P 2673	2. Rape-oil

Results of analysis

Chemical analysis: responsible Ing. Pavelka jr.		P 2673	
Parameter	Unit	Value	±n.%
K dokosanhex.-DHA	g/100g fat	<0,1	
K eikosapent.-EPA	g/100g fat	<0,1	
Alfa-linolenic acid	g/100g fat	6,11	±3%
Fatty acids monounsaturated	g/100g fat	67,38	±2,2%
Fatty acids saturated	g/100g fat	8,04	±3%
Fatty acids , 3- omega unsaturated	g/100g fat	6,11	±3%
Fatty acids , 6- omega unsaturated	g/100g fat	18,5	±2,2%
Fatty acids , 9- omega unsaturated	g/100g fat	66,1	±2,2%
Fatty acids polyunsaturated	g/100g fat	24,59	±2,2%
Fat content	%	100	±2,2%

Organic analysis: responsible Ing. Pavelka jr.		P 2673	
Parameter	Unit	Value	±n.%
Carotene-beta	mg/100g	<0,001	
Xanthophyll	mg/100g	<0,010	
Lycopene	mg/100g	<0,001	
Vitamin A (Retinol)	mg/100g	<0,010	
Vit E	mg/100g	16,7	±10%
Vit K1	mg/100g	0,023	±15%
Zeaxanthin	mg/100g	<0,001	
Vit D2 - Ergocalciferol	U.I./100g	<2000	
Vit. K2-menachinon - MK7	mg/100g	0,238	±15%

Notes : Uncertainty u = ± % from given value (expanded uncert. k=2), uncertainty of sampling not include,
* mean the absolute value of uncertainty.

Used methods

Parameter	Accreditation	SOP	Method (Name)
Fat content	A	C-9	Total fat - internal directive
Fatty acids saturated	A	C-75	GC/FID
Fatty acids polyunsaturated	A	C-75	GC/FID
Fatty acids monounsaturated	A	C-75	GC/FID
Fatty acids , 9- omega unsaturated	A	C-75	SN ISO 5509 and 5508
K eikosapent.-EPA	A	C-75	SN ISO 5509 and 5508
K dokosanhex.-DHA	A	C-75	SN ISO 5509 and 5508
Alfa-linolenic acid	A	C-75	SN ISO 5509 and 5508
Fatty acids , 3- omega unsaturated	A	C-75	SN ISO 5509 and 5508
Fatty acids , 6- omega unsaturated	A	C-75	SN ISO 5509 and 5508
Vitamin A (Retinol)	A	O-03	internal directive - HPLC/FLD
Vit E	A	O-03	internal directive - HPLC/FLD
Lycopene	A	O-14	internal directive - HPLC-VIS
Zeaxanthin	A	O-14	internal directive - HPLC-VIS
Carotene-beta	A	O-14	internal directive - HPLC-VIS
Xanthophyll	A	O-14	internal directive - HPLC-VIS
Vit K1	A	O-44	internal directive - HPLC-UV
Vit D2 - Ergocalciferol	A	O-26	internal directive - HPLC-UV
Vit. K2-menachinon - MK7	N		internal directive - HPLC-UV

Accreditation : A - accredited method, N - nonaccredited method, SA - accredited contract,
SN - nonaccredited contract

The analytical results may be considered valid for other products of the above specified sorts providing those fully correspond in composition and other properties to the samples analysed in the Ekocentrum laboratory.

Edited by : Šim nková Jana

Responsible person :

Ing. Ji í Pavelka
manager

Ostrava, 5.8.2015