

MARIFIT



Strokovni vidik

doc.dr. Aleš Mlinarič, mag. farm.
Vodja Službe za razvoj in raziskave

Strokovne dileme

- ❖ Kakovosti prehranskih dopolnil v smislu sebnosti sestavin nihče ne preverja
- ❖ Za kakovost je odgovoren proizvajalec, soodgovorni pa vsi člani verige, ki vodi do uporabnika oziroma potrošnika
- ❖ Soodgovornost lekarn!
- ❖ Paralela z zdravili – JAZMP (država) preverja kakovost, varnost in učinkovitost

Strokovne dileme

- ❖ Prijava na Republiški zdravstveni inšpektorat
 - preverjanje predvsem z vidika vsebnosti težkih kovin, pesticidov, patogenih mikroorganizmov
- ❖ Preverjanje vsebnosti sestavin je zapleteno, vendar izvedljivo
- ❖ Pomanjkanje akreditiranih laboratorijev (primer izdelkov z luteinom in Kemijskega inštituta)

Zavezanost kakovosti – politika Lekarn Maribor

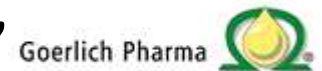
- ❖ Že skoraj 50 let skrbimo za učinkovite, varne in kakovostne izdelke in storitve
- ❖ Široka ponudba lastnih izdelkov – Galenski laboratorij – tudi lastni Kontrolno analizni laboratorij in hčerinska družba Marifarm
- ❖ Posebna pozornost pri izbiri novih partnerjev

Naši partnerji

❖ SWISSCAPS AG, Kirchberg, Švica



❖ Goerlich Pharma International, Edling,
Nemčija



❖ EPAX AS, Aalesund, Norveška

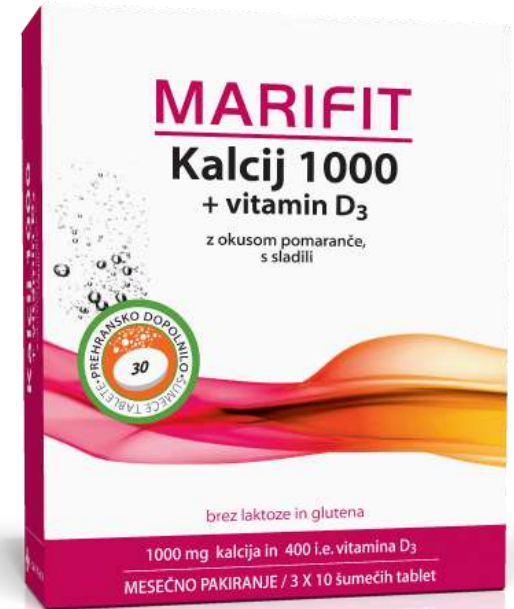


❖ Immuno-Lac GmbH, Wasserburg,
Nemčija



Dodatno preverjanje kakovosti

- ❖ izbrali smo nekaj primernih laboratorijev v Evropski skupnosti
- ❖ Analiza vsebnosti v vsaki izdelani seriji
- ❖ stroški analiz niso visoki
- ❖ dodatno zagotovilo k zagotavljanju kakovosti poleg izbire zanesljivega proizvajalca



šumeče tablete **MARIFIT**

46600 MAGNEZIJ 300 + VIT. C Lotto: 00605

Cont. Mg

R: 278.2mg (92.7% dd) RSD%: 0.26

Cont Vit. C

R: 124.5mg (103.7% dd) RSD%: 0.42

43800 KALCIJ 500 Lotto: 00607

Cont. Ca

R: 470.7mg (94.1% dd) RSD%: 0.28

46500 KALCIJ 1000 + d3 Lotto: 00602

Cont Ca

R: 948.9mg (94.9% dd) RSD%: 0.56

Cont. Vit D3

R: 0.0097 mg (97.0%)

54701 MULTIVIT Lotto: 00600

Cont Vit C

R: 61.3mg (102.2% dd) RSD%: 0.99

Cont Vit B6

R: 2.20mg (110.0% dd) RSD%: 0.64

Cont Vit E Acetato

R: 14.56mg (97.7% dd) RSD%: 0.53

Cont. Vit B12

R: 0.00098 mg (98.0%)

21.04.10
K

MARIFIT Koencim Q10



Eurofins - DILU GmbH · Neuländer Kamp 1 · D-21079 Hamburg
 Goerlich Pharma International GmbH
 Am Gewerbering 4/6
 83533 Edling

Sachbearbeiter Frau T. Decker
Kundenbetreuer Frau T. Decker

 Prüfberichtsdatum 01.03.2010
 Seite 1/1

Prüfbericht: AR-10-IQ-000323-01

Proben - Nr. 705-2010-00102918

Betrifft	Q10 Forte Kapseln GPI Art.: 50-000219
Probennummer Kunde	GPI Ch.: 986-001
Auftragsnummer Kunde	03-10
Anzahl Probenbehälter	1
Bruttogewicht /-volumen	114,2 g
Eingangstemperatur	Raumtemperatur
Auftraggeber	Goerlich Pharma International GmbH
Einsender	Goerlich Pharma International GmbH
Überbringer	Post
Eingang am	15.02.2010
Verpackung	Kunststoffbeutel
Beginn/Ende der Untersuchungen	15.02.2010 / 01.03.2010

PRÜFERGEBNIS

Physikalisch-chemische Untersuchung

DJ026	Coenzyme Q10 (#)		
Methode: Int. J. Vit. Research no. 56, 1986 (modified), HPLC-UV			
Im Unterauftrag durchgeführt durch Partnerlabor Eurofins Steins Laboratorium Vejen			
	Coenzyme Q10 (Ubichinon)	51,4	mg/Kapsel(n)
DJ514	Kapselinhalt (#)		
Methode: gravimetrisch			
Im Unterauftrag durchgeführt durch Partnerlabor Eurofins Steins Laboratorium Vejen			
	Kapselinhalt	551	mg/Kapsel(n)

= Nicht akkreditiert

Unterschrift

 Dr. M. Brandmeier
 (Geschäftsführer)

 F. Kareth
 (Prokurist)

MARIFIT Omegavit





Contact:

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EPAX' OMEGA-3 CONCENTRATES WELL BELOW STRICTEST INTERNATIONAL PURITY STANDARDS FOR ENVIRONMENTAL POLLUTANTS

Aalesund, Norway (March 04, 2010) - All EPAX products undergo a unique two-step proprietary purification process that enables us to set our product specifications on pollutants lower than required by the authorities. In addition, EPAX' vertically integrated supply chain enables direct control of raw material selection, handling and processing.

We guarantee that our marine-derived, health condition-specific EPA/DHA Omega-3 concentrates meet all known purity standards for environmental pollutants and that the EPAX Omega-3 concentrates are in compliance with relevant EU Legislations, EU Pharmacopeia and GOED Voluntary Monograph. At EPAX our aim is to stay one step ahead of regulatory measures. As a result, we have a long history of being the first to set new purity standards in the industry.

Regarding PCBs, EPAX has also set up its own maximum limits that are 9 times lower than requested by GOED and Proposition 65. The actual average number is 90 times lower which is on the threshold of the detection limits. PCB is not a single compound but consists of more than 200 isomers. Usually the 7 most toxic isomers are analysed and the maximum values based on their content. EPAX is also analysing the total amount of the isomers which gives higher value but is still very low. Below you will find the average values of PCBs for EPAX products.

PCBs	7 Isomers of PCBs	Total PCBs
EPAX Product Average Value	0,0010mg/kg (1,0 ng/g)	0,0019mg/kg (1,9 ng/g)
EPAX Maximum Limits	0,01mg/kg (10,0 ng/g)	
Goed Voluntary Monograph Maximum Limits	0,09mg/kg (90,0 ng/g)	

For complete maximum specifications limit overview for environmental pollutants, please contact EPAX AS.



mylnefield

LIPID ANALYSIS

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••• Mylnefield Research Services, Errol Road, Invergowrie, Dundee DD2 5DA, UK •••

Designation of sample - EPAX 6000 EE Capsules
 Article No.: 50-000217
 Charge No.: 985-001

Submitted by - Goerlich Pharma International

Our number - MRSLU/2010/192

Report Issue number - 2

Fatty acid profile

		A%	mgEE/g Oil
14:0	myristic	0.3	3.1
16:0	palmitic	2.9	27.4
16:1	hexadecenoic	1.2	11.7
16:2	hexadecadienoic	0.2	1.9
17:0	heptadecanoic	0.2	1.6
16:3	hexadecatrienoic	0.2	2.1
16:4	hexadecatetraenoic	0.4	3.4
18:0	stearic	3.3	30.8
18:1(n-9)	oleic	6.6	60.3
18:1(n-7)	cis-vaccenic	2.5	22.9
18:2	linoleic	0.7	6.8
18:3	γ-linolenic	0.2	1.8
18:3	α-linolenic	0.5	4.3
18:4	octadecatetraenoic	1.8	16.5
20:0	icosanoic	0.5	4.4
20:1	icosenoic	2.2	20.2
20:2(n-6)	icosadienoic	0.3	3.0
20:3(n-6)	icosatrienoic	0.4	3.8
20:4(n-6)	arachidonic	1.9	16.8
20:3(n-3)	icosatrienoic	0.2	1.5
20:4(n-3)	icosatetraenoic	1.4	12.8
20:5(n-3)	icosapentaenoic	33.5	295.0
22:0	cetoleic	0.3	2.3
22:1(n-11)	erucic	0.5	4.9
22:1(n-9)	docosenoic	0.3	2.9
21:5(n-3)	heneicosapentaenoic	1.8	16.0
22:4(n-6)	docosatetraenoic	0.2	2.0
22:5(n-6)	docosapentaenoic	0.7	6.2
22:5(n-3)	docosapentaenoic	4.9	42.5
22:6(n-3)	docosahexaenoic	25.0	217.7
24:1	tetracosenoic	0.5	4.5
	minor components	4.4	

Analysis carried out on a capillary column

L. Kelly B.Sc.
 Analytical Chemist



C. Traynor B.Sc. C.Chem MRSC
 Head of Mylnefield Lipid Analysis

L Kelly 23/02/2010

Registered in Scotland 121376

C. Traynor 23/02/2010

Mylnefield Research Services Ltd. is a member of The Scottish Crop Research Institute Group.

MARIFIT Immunolostrum



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Akkreditiertes Prüflaboratorium

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**Goerlich Pharma International
Am Gewerbering 4/6**

83533 Edling

Steuer-Nr.: 053/140/02107
USt-IdNr.: DE 187877932

Datum: 16.02.2010
Bearbeiter: Frau Hansen
Durchwahl: 631-476
Geschäftszeichen: IV-ha-hen

Milchwirtschaftliche
Lehr- und
Untersuchungsanstalt
Oranienburg e. V.

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16515 Oranienburg

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Internet: www.mlua.de

Prüfbericht-Nr.: 0515A/10

Ihr Auftrag vom: 11.02.2010

Probeneingang: 12.02.2010

Prüfbeginn: 15.02.2010

Prüfende: 16.02.2010

Proben-Nr. Probenbeschreibung

01377A-10 Colostrum Kapseln, Artikel-Nr.: 55-000293, Chargen-Nr.: 155-001

Bestimmung vom Kapselinhalt

Prüfergebnisse:

		01377A-10
Immunglobuline (IgG) in g/kg	analog § 64 LFGB L 01.00-65	583

Inge Riemelt
(Dr. Inge Riemelt)
Direktorin

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