

Report Code	051223-25
Date: 18-01-24	Page 1 from 20

TEST REPORT

ELEMENTS OF ESSAY /S

Description of essay/s:	Peat of plant origin	
Essay code/s:	051223-25	
Date receipt :	05-12-2023	
Status of essay/s upon receipt:	Normal	
Analysis end date:	18-01-2024	
Tested object:	The essay as is.	
Sampling :	From the customer	

MARKING ESSAYS/S

Essay Code	Details / Customer Label
051223-25	Peat of plant origin / O.W.L. Absorbent-Cleaning

The results of the Report apply to the analyzed essays. This may only be reproduced in its entirety. Partial reproduction is permitted only with the written approval of K. ANDREOU IKE.

RESULTS OF ANALYSIS
Sample code: 051223-25 (peat of plant origin)
PFC'S , PER- AND POLYFLUORINATED COMPOUNDS

Parameter	Analytical Method	Result	LoQ	Units
Perfluorooctane sulfonic acid and sulfonates (PFOS)	ISO 25101:2009 modified	MA	0,0005	mg/kg dry
Perfluorooctane sulfonamide (PFOSA)		MA	0,0005	mg/kg dry
Perfluorooctane sulfonfluoride (PFOSF/POSF)		MA	0,0005	mg/kg dry
N-Methyl perfluorooctane sulfonamide (N-Me-FOSA)		MA	0,0005	mg/kg dry
N-Ethyl perfluorooctane sulfonamide (N-Et-FOSA)		MA	0,0005	mg/kg dry
N-Methyl perfluorooctane sulfonamide ethanol (N-Me-FOSE)		MA	0,0005	mg/kg dry
N-Ethyl perfluorooctane sulfonamide ethanol (N-Et-FOSE)		MA	0,0005	mg/kg dry
Perfluoroheptanoic acid (PFHpA) and salts		MA	0,0005	mg/kg dry

**Abbreviations: MA: Not Detectable LoQ : Limit of Quantification
 < LoQ : less than the Limit of Quantification**

Note: The above parameters were determined in a cooperating laboratory of the EU, accredited according to the ISO 17025 standard.

The Head of Laboratory



 ΣΤΕΦ. Κ. ΑΝΔΡΕΟΥ
 ΧΗΜΙΚΟΣ MSc

Report Code	051223-25
Date: 18-01-24	Page 3 from 20

RESULTS OF ANALYSIS
Κωδικός δείγματος : 051223-25(τύρφη φυτικής προέλευσης)
PFC'S , PER- AND POLYFLUORINATED COMPOUNDS

Parameter	Analytical Method	Result	LoQ	Units
Perfluorooctanoic acid (PFOA) and salts	ISO 25101:2009 modified	MA	0,0005	mg/kg dry
Perfluorononanoic acid (PFNA) and salts		MA	0,0005	mg/kg dry
Perfluorodecanoic acid (PFDA) and salts		MA	0,0005	mg/kg dry
Henicosafleuroundecanoic acid (Perfluoroundecanoic acid; PFUDA) and salts		MA	0,0005	mg/kg dry
Tricosafleurododecanoic acid (Perfluorododecanoic acid; PFDoA) and salts		MA	0,0005	mg/kg dry
Pentacosafleurotridecanoic acid (Perfluorotridecanoic acid; PFTrDA) and salts		MA	0,0005	mg/kg dry
Heptacosafleurotetradecanoic acid (Perfluorotetradeca-noic Acid; PFTeDA) and salts	MA	0,0005	mg/kg dry	

**Abbreviations: MA: Not Detectable LoQ : Limit of Quantification
< LoQ : less than the Limit of Quantification**

Note: The above parameters were determined in a cooperating laboratory of the EU, accredited according to the ISO 17025 standard.

The Head of Laboratory



 ΣΤΕΦ. Κ. ΑΝΔΡΕΟΥ
ΧΗΜΙΚΟΣ MSc

RESULTS OF ANALYSIS
Sample code: 051223-25 (peat of plant origin)
PFC'S , PER- AND POLYFLUORINATED COMPOUNDS

Parameter	Analytical Method	Result	LoQ	Units
Perfluorobutanoic acid (PFBA) and salts	ISO 25101:2009 modified	MA	0,0005	mg/kg dry
Perfluoropentanoic acid (PFPeA) and salts		MA	0,0005	mg/kg dry
Perfluorohexanoic acid (PFHxA) and salts		MA	0,0005	mg/kg dry
Perfluoro(3,7-dimethyloctanoic acid) (PF-3,7-DMOA) and salts		MA	0,0005	mg/kg dry
Perfluorobutane sulfonic acid (PFBS) and salts		MA	0,0005	mg/kg dry
Perfluorohexane sulfonic acid (PFHxS) and salts		MA	0,0005	mg/kg dry
Perfluoroheptane sulfonic acid (PFHpS) and salts		MA	0,0005	mg/kg dry
Henicosafuorodecane sulfonic acid (Perfluorodecane sulfonic acid, PFDS) and salts		MA	0,0005	mg/kg dry

Abbreviations: MA: Not Detectable LoQ : Limit of Quantification
< LoQ : less than the Limit of Quantification

Note: The above parameters were determined in a cooperating laboratory of the EU, accredited according to the ISO 17025 standard.

The Head of Laboratory



 ΣΤΕΦ. Κ. ΑΝΔΡΕΟΥ
 ΧΗΜΙΚΟΣ MSc

RESULTS OF ANALYSIS
Sample code: 051223-25 (peat of plant origin)
PFC'S , PER- AND POLYFLUORINATED COMPOUNDS

Parameter	Analytical Method	Result	LoQ	Units
7H-Perfluoroheptanoic acid (7HPFHpA) and salts	ISO 25101: 2009 modified	MA	0,0005	mg/kg dry
2H,2H,3H,3H-Perfluoroundecanoic acid (4HPFUnA) and salts		MA	0,0005	mg/kg dry
1H,1H,2H,2H-Perfluorooctane sulfonic acid (1H,1H,2H,2H-PFOS) and salts		MA	0,0005	mg/kg dry
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)		MA	0,0005	mg/kg dry
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)		MA	0,0005	mg/kg dry
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)		MA	0,0005	mg/kg dry
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)		MA	0,0005	mg/kg dry
1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)		MA	0,0005	mg/kg dry
1H,1H,2H,2H-Perfluorodecylacrylate (8:2 FTA)		MA	0,0005	mg/kg dry
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)		MA	0,0005	mg/kg dry

Abbreviations: MA: Not Detectable LoQ : Limit of Quantification
< LoQ : less than the Limit of Quantification

Note: The above parameters were determined in a cooperating laboratory of the EU, accredited according to the ISO 17025 standard.

The Head of Laboratory



ΣΤΕΦ. Κ. ΑΝΔΡΕΟΥ
 ΧΗΜΙΚΟΣ ΜΣΦ

RESULTS OF ANALYSIS
Sample code: 051223-25 (peat of plant origin)
Amine pesticides and their metabolites

Parameter	Analytical Method	Result	LoQ	Units
Acetochlor	In house S-PESLMS02	MA	0,01	mg/kg dry
Ailachlor		MA	0,01	mg/kg dry
Boscalid		MA	0,01	mg/kg dry
Dimethenamid		MA	0,01	mg/kg dry
Metazachlor		MA	0,01	mg/kg dry
Metolachlor (isomers)		MA	0,01	mg/kg dry
Pemoxamid		MA	0,01	mg/kg dry
Prochloraz		MA	0,01	mg/kg dry

Azole pesticides

Parameter	Analytical Method	Result	LoQ	Μονάδες
Climazole	In house S-PESLMS02	MA	0,01	mg/kg dry
Climanilam		MA	0,01	mg/kg dry
Cyproconazole		MA	0,01	mg/kg dry
Epoxyconazole		MA	0,01	mg/kg dry
Fipronil		MA	0,01	mg/kg dry
Fipronil sulfone		MA	0,01	mg/kg dry
Metconazole		MA	0,01	mg/kg dry
Propriconazole		MA	0,01	mg/kg dry
Tebuconazole		MA	0,01	mg/kg dry

**Abbreviations: MA: Not Detectable LoQ : Limit of Quantification
 < LoQ : less than the Limit of Quantification**

Note: The above parameters were determined in a cooperating laboratory of the EU, accredited according to the ISO 17025 standard


ΣΤΕΦ. Κ. ΑΝΔΡΕΟΥ
 ΧΗΜΙΚΟΣ MSc

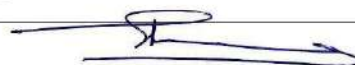
The Head of Laboratory

RESULTS OF ANALYSIS
Sample code: 051223-25 (peat of plant origin)
Carbamate pesticides and their metabolites

Parameter	Analytical Method	Result	LoQ	Units
Aldicarb	In house S-PESLMS02	MA	0,01	mg/kg dry
Aldicarb sulfone		MA	0,01	mg/kg dry
Aldicarb sulfoxide		MA	0,01	mg/kg dry
Carbaryl		MA	0,01	mg/kg dry
Carbendazim		MA	0,01	mg/kg dry
Carbofuran		MA	0,01	mg/kg dry
Carbofuran-5-hydroxy		MA	0,01	mg/kg dry
Fenoxycarb		MA	0,01	mg/kg dry
Imoxacarb		MA	0,01	mg/kg dry
Methiocarb		MA	0,01	mg/kg dry
Methiocarb sulfone		MA	0,01	mg/kg dry
Methiocarb sulfoxide		MA	0,01	mg/kg dry
Methomyl		MA	0,01	mg/kg dry
Methomyl oxime		MA	0,01	mg/kg dry
Oxamyl		MA	0,01	mg/kg dry
Propoxur		MA	0,01	mg/kg dry

Abbreviations: MA: Not Detectable LoQ : Limit of Quantification
< LoQ : less than the Limit of Quantification

Note: The above parameters were determined in a cooperating laboratory of the EU, accredited according to the ISO 17025 standard



ΣΤΕΦ. Κ. ΑΝΔΡΕΟΥ
 ΧΗΜΙΚΟΣ MSc

The Head of Laboratory

RESULTS OF ANALYSIS
Κωδικός δείγματος : 051223-25 (τύρφη φυτικής προέλευσης)
Nicotinoid pesticides

Parameter	Analytical Method	Result	LoQ	Units
ο-Νιγοτρωπικό οξύ	In house S-PESLMS02	MA	0,01	mg/kg dry
Acetamiprida		MA	0,01	mg/kg dry
imidacloprida		MA	0,01	mg/kg dry
imidacloprida olefin		MA	0,01	mg/kg dry
imidacloprida urea		MA	0,01	mg/kg dry
Imidacloprida		MA	0,01	mg/kg dry
Thiamethoxam		MA	0,01	mg/kg dry

Other pesticides

Parameter	Analytical Method	Result	LoQ	Units
Azoxystrobin	In house S-PESLMS02	MA	0,01	mg/kg dry
Chloridazon		MA	0,01	mg/kg dry
Chloridazon-aesphenyl		MA	0,01	mg/kg dry
Chloridazon-methyl aesphenyl		MA	0,01	mg/kg dry
Dimenacoum		MA	0,01	mg/kg dry
Dimoxystrobin		MA	0,01	mg/kg dry
Kresoxim-methyl		MA	0,01	mg/kg dry
Penamethalin		MA	0,01	mg/kg dry
Pyrimethanil		MA	0,01	mg/kg dry

**Abbreviations: MA: Not Detectable LoQ : Limit of Quantification
 < LoQ : less than the Limit of Quantification**

Note: The above parameters were determined in a cooperating laboratory of the EU, accredited according to the ISO 17025 standard.


ΣΤΕΦ. Κ. ΑΝΔΡΕΟΥ
 ΧΗΜΙΚΟΣ MSc

The Head of Laboratory

RESULTS OF ANALYSIS
Sample code: 051223-25 (peat of plant origin)
Phenoxy pesticides

Parameter	Analytical Method	Result	LoQ	Units
Fluazifop	In house S-PESLMS02	MA	0,01	mg/kg dry

Triazine pesticides and their metabolites

Parameter	Analytical Method	Result	LoQ	Units
Αιμετριν	In house S-PESLMS02	MA	0,01	mg/kg dry
Atrazine		MA	0,01	mg/kg dry
Atrazine-2-nydroxy		MA	0,01	mg/kg dry
Atrazine-αεσετυλ		MA	0,01	mg/kg dry
Atrazine-αεσιςοπροπυλ		MA	0,01	mg/kg dry
Cyanazine		MA	0,01	mg/kg dry
Desmetryn		MA	0,01	mg/kg dry
Hexazinone		MA	0,01	mg/kg dry
Metamiron		MA	0,01	mg/kg dry
Metribuzin		MA	0,01	mg/kg dry
Prometon		MA	0,01	mg/kg dry
Προμετριν		MA	0,01	mg/kg dry
Propazine		MA	0,01	mg/kg dry
Sebutnyiazine		MA	0,01	mg/kg dry
Simazine		MA	0,01	mg/kg dry
Simazine-2-nydroxy		MA	0,01	mg/kg dry
Simetryn		MA	0,01	mg/kg dry
Terbutnyiazine		MA	0,01	mg/kg dry
Terbutnyiazine-αεσετυλ		MA	0,01	mg/kg dry
Terbutnyiazine-αεσετυλ-2-nydroxy		MA	0,01	mg/kg dry
Terbutnyiazine-nydroxy	MA	0,01	mg/kg dry	
Terbutryn	MA	0,01	mg/kg dry	

Abbreviations: MA: Not Detectable LoQ : Limit of Quantification
< LoQ : less than the Limit of Quantification

Note: The above parameters were determined in a cooperating laboratory of the EU, accredited according to the ISO 17025 standard.


ΣΤΕΦ. Κ. ΑΝΔΡΕΟΥ
 ΧΗΜΙΚΟΣ MSc

The Head of Laboratory

RESULTS OF ANALYSIS
Sample code: 051223-25 (peat of plant origin)
Urea pesticides

Parameter	Analytical Method	Result	LoQ	Units
Χηλωτότιuron	In house S-PESLMS02	MA	0,01	mg/kg dry
Χηλωσουριον		MA	0,01	mg/kg dry
Λιουρον		MA	0,01	mg/kg dry
Isoproturon		MA	0,01	mg/kg dry
isoproturon-aesmetny1		MA	0,01	mg/kg dry
Urea pesticides - Continued Isoproturon-monodesmethyl		MA	0,01	mg/kg dry
Urea pesticides - Continued Linuron		MA	0,01	mg/kg dry

Physical parameters

Parameter	Analytical Method	Result	LoQ	Units
Dry matter @ 105°C	Gravimetric	84,7	0,10	% w/w

Nonmetallic inorganic parameters

Parameter	Analytical Method	Result	LoQ	Units
Αιονικ Surfactants as MBAS	Spectrophotometric	1,70	0,20	mg/kg dry
Non ionic Surfactants as LBAS		MA	0,20	mg/kg dry

Abbreviations: MA: Not Detectable LoQ : Limit of Quantification
< LoQ : less than the Limit of Quantification

The Head of Laboratory



 ΣΤΕΦ. Κ. ΑΝΔΡΕΟΥ
ΧΗΜΙΚΟΣ MSc

RESULTS OF ANALYSIS
Sample code: 051223-25 (peat of plant origin)
Organochloride pesticides

Parameter	Analytical Method	Result	LoQ	Units
Hexachloroethane	In house S-OCPECD01	MA	0,01	mg/kg dry
Hexachlorobutadiene		MA	0,01	mg/kg dry
1,2,3,5- & 1,2,4,5-Tetrachlorobenzene		MA	0,01	mg/kg dry
1,2,3,4-tetrachlorobenzene		MA	0,01	mg/kg dry
Pentachlorobenzene		MA	0,01	mg/kg dry
Gamma		MA	0,01	mg/kg dry
Hexachlorocyclohexane Alpha		MA	0,01	mg/kg dry
Hexachlorobenzene (HCB)		MA	0,01	mg/kg dry
Hexachlorocyclohexane Beta		MA	0,01	mg/kg dry
Hexachlorocyclohexane Gamma		MA	0,01	mg/kg dry
Hexachlorocyclohexane Delta		MA	0,01	mg/kg dry
Hexachlorocyclohexane Epsilon		MA	0,01	mg/kg dry
Alachlor		MA	0,01	mg/kg dry
Heptachlor		MA	0,01	mg/kg dry
Alar		MA	0,01	mg/kg dry
Tebufos		MA	0,01	mg/kg dry
Isodrin		MA	0,01	mg/kg dry
Heptachloroepoxide-cis		MA	0,01	mg/kg dry
Heptachloroepoxide-trans		MA	0,01	mg/kg dry
2,4-DDE		MA	0,01	mg/kg dry
alpha-Endosulfan		MA	0,01	mg/kg dry
4,4'-DDE		MA	0,01	mg/kg dry
Dieldrin		MA	0,01	mg/kg dry
2,4-DDD	MA	0,01	mg/kg dry	
Endrin	MA	0,01	mg/kg dry	
beta-Endosulfan	MA	0,01	mg/kg dry	

Abbreviations: MA: Not Detectable LoQ : Limit of Quantification
 < LoQ : less than the Limit of Quantification

Note: The above parameters were determined in a cooperating laboratory of the EU, accredited according to the ISO 17025 standard.

The Head of Laboratory



 ΣΤΕΦ. Κ. ΑΝΔΡΕΟΥ
 ΧΗΜΙΚΟΣ MSc

RESULTS OF ANALYSIS
Sample code: 051223-25 (peat of plant origin)
Organochloride pesticides

Parameter	Analytical Method	Result	LoQ	Units
4,4'-DDD	In house S-OCPECD01	MA	0,01	mg/kg dry
2,4-DDD		MA	0,01	mg/kg dry
4,4'-DDT		MA	0,01	mg/kg dry
Methoxychlor		MA	0,01	mg/kg dry
Sum of 5 tetrachlorobenzenes		MA	0,01	mg/kg dry
Sum of 4 hexachlorocyclohexanes		MA	0,01	mg/kg dry
Sum of 4 isomers DDT		MA	0,01	mg/kg dry
Sum of 0 isomers DDT		MA	0,01	mg/kg dry
Sum of endosulfanes		MA	0,01	mg/kg dry
Dichobenzil		MA	0,01	mg/kg dry
Quintozene & Pentachloroaniline		MA	0,01	mg/kg dry
DICOIOL		MA	0,01	mg/kg dry
Sum of Aldrin & Dieldrin		MA	0,01	mg/kg dry

**Abbreviations: MA: Not Detectable LoQ : Limit of Quantification
 < LoQ : less than the Limit of Quantification**

Note: The above parameters were determined in a cooperating laboratory of the EU, accredited according to the ISO 17025 standard.

The Head of Laboratory



 ΣΤΕΦ. Κ. ΑΝΔΡΕΟΥ
 ΧΗΜΙΚΟΣ MSc

RESULTS OF ANALYSIS
Sample code: 051223-25 (peat of plant origin)
Glycols

Parameter	Analytical Method	Result	LoQ	Units
Μονοπροπιλενεδυκολ	In house S-GLYGMS01	MA	1	mg/kg dry
Εθυλενεδυκολ		δ,δ	1	mg/kg dry
Διαιθυλενεδυκολ		MA	1	mg/kg dry
Triethyleneglycol		MA	1	mg/kg dry

Esters and acids

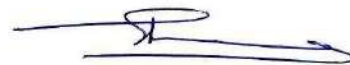
Parameter	Analytical Method	Result	LoQ	Units
Προπιλενεδυκολ εστερ	In house S- ESTE01	MA	1	mg/kg dry
Sorbitan ester		MA	1	mg/kg dry
Διακετυλ ταρταρικ		MA	1	mg/kg dry
Sodium stearoyl lactylate		MA	1	mg/kg dry

Inorganics

Parameter	Analytical Method	Result	LoQ	Units
Soluble Sodium	Water extraction AAS	334	5	mg/kg dry
Soluble Phosphates	Water extraction-spectrophotometric	150	10	mg/kg dry
Disodium phosphate	By calculation	220	10	mg/kg dry

Abbreviations: MA: Not Detectable LoQ : Limit of Quantification
< LoQ : less than the Limit of Quantification

The Head of Laboratory



 ΣΤΕΦ. Κ. ΑΝΔΡΕΟΥ
 ΧΗΜΙΚΟΣ ΜSc

SAMPLING DETAILS PROCESSED SOLID MATERIALS

Sampling Method: EN 14899-2005	
Sample code: 051223-25	
Sampling date and time:	04-12-2023 , 14:00 – 18:00
Name and Signature of sampling officer	STEFANOS ANDREOU

general information

Customer Information

Company: KV PROMOTING PC
Address: AFRODITIS 12 DAFNI GREECE
Company manager: Mr. Kampanis

ΣΤΟΙΧΕΙΑ ΜΟΝΑΔΑΣ

Company: HELLENIC CONTAINER TRANSPORT SA
Address: Megaridos 108, Aspropyrgos
Company manager: Mr. Kampanis

DESCRIPTION OF SAMPLING POINTS

Peat of vegetable origin used as a means of collecting petroleum products and generally fatty chemicals. The peat was stored in megabags of 2 m³. 9 sub-samples were taken from 9 different points from different depths from two megasacks and after stirring a single homogenized representative sample was created.



ANDREOY K. PC

CHEMICAL LABORATORIES

Agiou Fanouriou Str. 38 & Kiatou Str., P.C.131 22 Ilion
Tel.: 210 33 11 347 -48, Fax: 210 32 17 133
Email: info@aclabs.gr, Website: www.aclabs.gr

Report Code
Date: 18-01-24

051223-25
Page 16 from 20

Sampling plan attached : NO

Photos attached : YES

DESCRIPTION OF SOLID WASTE

Color: brown – brown gray

Emerging odors: NO Description: NONE

Physical description: vegetable peat origin (Peat moss)

Homogeneity: very good

Other information: The material was packed in two-cubic mega-bags.

Samples were taken from two mega bags, one already opened and one sealed.

SAMPLING POINTS

Number of models: 9

Description: take 200 – 250 g with a scoop

Number of downloads per point: 1

Sample container: 5 liter plastic container

Special paraphernalia during sampling: none

Description of sampling method: entry of the sampler from the upper part to the maximum possible depth and sampling.

Sampling problems: none

Observations during sampling: none

Representative of the company during sampling: Mr. Kampanis



ANDREYOY K. PC

CHEMICAL LABORATORIES

Agiou Fanouriou Str. 38 & Kiatou Str., P.C.131 22 Ilion
Tel.: 210 33 11 347 -48, Fax: 210 32 17 133
Email: info@aclabs.gr, Website: www.aclabs.gr

Report Code
Date: 18-01-24

051223-25
Page 18 from 20





ANDREYOY K. PC

CHEMICAL LABORATORIES

Agiou Fanouriou Str. 38 & Kiatou Str., P.C.131 22 Ilion
Tel.: 210 33 11 347 -48, Fax: 210 32 17 133
Email: info@aclabs.gr, Website: www.aclabs.gr

Report Code
Date: 18-01-24

051223-25
Page 19 from 20





OPINION

- The peat sample of vegetable origin from all the analyzes carried out was found to contain:
- 1.7 mg/kg anionic detergents
- 8.5 mg/kg propylene glyco
- Sodium phosphate 220 mg/kg

The prescribed limit for anionic detergents and propylene glycol is 0.1 %, i.e. 1000 mg/kg for the material to be classified as hazardous. Accordingly, the limit for sodium phosphate is 1%, i.e. 10000 mg/kg. It is obvious that the concentrations of these substances in the sample are very low and cannot give it toxic properties.

The sample is free of pesticides and particularly toxic substances polyfluorinated organic compounds. When the sample is mixed with water in a 1:1 ratio, the resulting aqueous solution has an acidic pH = 3.7. The pH is indeed acidic, but it is something common in the plant kingdom (apples pH=3.3, peaches pH=3.6, pears pH=3.8, cherries pH=4.0).

In conclusion, the general toxicity and ecotoxicity of the sample are at very low levels, which is expected for products such as vegetable peat that is mainly used in hydroponic applications.

The Head of Laboratory

ΣΤΕΦ. Κ. ΑΝΔΡΕΟΥ
ΧΗΜΙΚΟΣ MSc