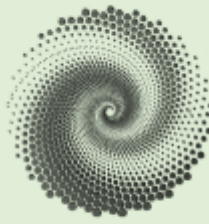


SAPROTECH LIMITED LIABILITY COMPANY



SaproTech®



Ladies and Gentlemen!

We are proud to present the products of the "SaproTech" trademark. The basic component of the entire line is our own raw material - mineralized sapropel, which is extracted from freshwater lakes of the ecologically clean Black Earth region of our unique Motherland. So, a brief description:



1) Sapropel itself, a table with analysis protocols, unlike most companies working in this area, is in the public domain. A lot has been said about sapropel itself, so let's add one of the main, in our opinion, aspects: sapropel itself cannot be considered as a fertilizer, it is rather an enriched structured black soil, so to speak, the foundation itself. Indeed, in the light of the latest global trends, there is no longer even a choice between any fertile layer on which one or another eco-product can be grown!



LIMITED LIABILITY COMPANY
SINECOTECH SCIENTIFIC AND PRODUCTION GROUP
EDRPOU 43684252, TIN 436842526541 04073, Kyiv, Stepana Bandera Avenue 5, office 309
y/y IBAN UA563006470000026001001157662 in AB "Clearinghouse" MFI 300647
Phone: 063-851-37-58 E-mail: sinecotech@ukr.net

PROTOCOL OF THE RESEARCH

№ 2023-005date «25» January 2023

Sample: SAPROSUBSTRATE sample
Manufacturer: OST-2018 LLC
Objective: To determine the content of heavy metals and chlorine-containing pesticides

Results:

№	Indicators, units	Results
1	2	3
1	Chromium (total), mg / kg	0,02
2	Chromium (VI), mg / kg	none
3	Lead, mg / kg	none
4	Mercury, µg/kg	none
5	Cadmium, mg / kg	none
6	Zinc, mg / kg	2,2
7	Copper, mg / kg	63,0
8	Nickel, mg / kg	0,25
9	Arsenic, mg / kg	none
10	Bismuth, mg / kg	none
11	Benzapyrene, mg / kg	none
12	Chlorine-containing pesticides (in terms of DDT), µg/kg	none

Measurement errors and uncertainties*

Director, Ph.D.



Grigoriy Krymets

The results of the analysis relate only to the proposed sample and the respective lots. The protocol is printed in 2 copies, one of which is given to the customer. Duplication and copying of parts of the protocol or the protocol as a whole without the consent of the parties is prohibited. LLC "Sinecotech" does not bear any responsibility in case of using the protocol or its part for advertising purposes. The transfer of any information related to the Company and research results is possible only with the customer's written consent, or in accordance with the procedure established by the Law of Ukraine. The analysis was carried out for research purposes and does not have the character of an expert study in accordance with the legislation of Ukraine on forensic examination.

*. provided at the request of the customer



If we rely only on the facts, then the following picture emerges: Ukraine, with its relatively small territory, exports up to 70% of the total volume of vegetable oil to the world market, and such a crop, as you know, requires a high content of humus in the soil, which in turn indicates a high the content of humic substances in it, including fulvic acids, which humanity is unlikely to learn to synthesize in the next hundred years, and without this component, both in the soil and later in the human body, irreversible processes in the immune system.

We only guarantee that with the correct use of our products, you will receive a significant improvement in the fertile soil layer, but how you manage to use it is up to you...

MELITOPILSKY EXPERIMENTAL GARDEN STATION
 them. M.F. Sidorenko NAAS
Laboratory of Agrochemistry
Certificate of technical competence № МР 09-2019 from 09/26/2019

Name of the sample	product «SAPROCEL»		
Customer:	"OST-2018" LLC		
Sample volume	1.0 dm ³		
Test dates	May 18-20, 2020		
The sample is tested on	determination of chemical composition		
TEST PROTOCOL № 83			
№	Indicator	Value	Marking
General properties			
1	Hydrogen index, units pH (1-5)	7,12	Workshop on agrochemistry / Edited by VG Mineeva - M: Moscow University Press. 2001. - 688p.
2	Water-soluble phosphorus content, mg / 100 g	0,76	
3	Water-soluble potassium content, mg / 100 g	3,37	
4	The content of water-soluble nitrate nitrogen, mg / 100 g	8,75	
5	The content of water-soluble ammonium nitrogen, mg / 100 g	0,13	
7	The content of water-soluble mineral nitrogen, mg / 100 g	8,88	
8	The content of gross (total) forms of nitrogen, %	0,34	
9	The content of gross forms of phosphorus, %	0,49	
10	The content of gross forms of potassium, %	0,48	
11	Volumetric mass, g / cm ³	0,92	
The composition of organic matter			
12	Moisture content, %	8,7	GOST 11305-83 DSTU EN 13040: 2005
13	Dry matter content, %	91,3	
14	Ash content, %	69,3	GOST 11306-83
15	Organic matter content, %	30,7	GOST 27753.10-88 DSTU EN 13039: 2005
16	The total content of humic substances, % on organic matter, including		DSTU 7083: 2009
	humic acids	15,0	
	fulvic acids	5,68	
Toxicological indicators			
17	The amount of salts, %	0,70	GOST 27894.9-88
-	Ion content, mg-eq / dm ³	-	
18	CO ₃	0	
19	HCO ₃	1,52	
20	Cl	0,12	
21	SO ₄	8,58	
22	Ca ²⁺	6,20	
23	Mg ²⁺	2,80	
24	Na ⁺	1,15	
25	K ⁺	0,07	
26	The content of toxic alkaline salts, mg-eq / dm ³	0	Workshop on agrochemistry / Edited by VG Mineeva - M: 2001. - 688p.
27	The content of toxic neutral salts, mg-eq / dm ³	4,02	
28	The content of non-toxic salts, mg-eq / dm ³	6,20	
29	The content of mobile forms of zinc, mg / dm ³	15,81	
30	The content of mobile forms of iron, mg / dm ³	3,89	
31	The content of mobile forms of cobalt, mg / dm ³	0,41	
32	The content of mobile forms of manganese, mg / dm ³	0,11	
33	The content of mobile forms of copper, mg / dm ³	25,82	
Head of the laboratory of agrochemistry, Iup and, s.n.s.  Malynuk Tatymna			

Therefore, in this case, no advanced technologies, except for Mother Nature itself, will help us... To date, SAPROTECH LLC and the Trademark "SaproTech®" have more than 30 thousand cubic meters of high-quality sapropel, on its basis and produces the best fertile soil in the world - SAPROsubstrate!

2) SAPROsubstrate - a balanced, enriched, universal, nutritious soil based on mineralized sapropel and purified lowland peat. According to its characteristics, it is not inferior to the best indicator of elite chernozems. We do not use high peat, because almost all samples extracted contain aluminum above the permissible standards provided by the "Organic Standard" certification.



***CERTIFIED ORGANIC STANDARD ACCORDING TO THE STANDARD FOR THE PRODUCTION OF AUXILIARY SUBSTANCES THAT CAN BE USED IN ORGANIC AGRICULTURE AND PROCESSING (SUBJECT TO REQUIREMENTS, STANDARDS EQUIVALENT TO EC REGULATIONS 834/2007 AND 889/2008)**

A protocol for the analysis of research conducted in the only officially accredited laboratory in Ukraine "Organic Standard" is proposed:



LABORATORY OF INNOVATIVE CLEANING TECHNOLOGY

LLC "FLUID MANAGEMENT SYSTEMS"

04070, Kyiv, str. Boryshiv Tik, 35, letter A

official registration No 41738211

IBAN UA503007110000026005652615175 BIC PBANUA22K3F PRIVATBANK CB PJSC

www.litolab.com.ua litotab@ukr.net +380 97 964 8299

PROTOCOL OF THE RESEARCH

№ 004-009

date «03» лютого 2020р.

Sample: Sapropel sample

Manufacturer: OST-2018 LLC

Objective: To determine the content of heavy metals and chlorine-containing pesticides

Results:

№	Indicators, units	Results
1	2	3
1	Chromium (total), mg / kg	0.05
2	Lead, mg / kg	none
3	Mercury, mcg / kg	none
4	Cadmium, mg / kg	none
5	Zinc, mg / kg	17.3
6	Copper, mg / kg	28.5
7	Nickel, mg / kg	0.12
8	Arsenic, mg / kg	none
9	Benzopyrene, mg / kg	none
10	Chromium (VI) mg / kg	none
11	Bismuth, mg / kg	none
12	Pesticides (chlorine-containing), mcg / kg	—

(—) * - content is less than the limit of definition

Measurement errors and uncertainties *

Head of Laboratory Department, Ph.D.

Poyazhnyy V.A.

The results of the analysis only relate to the samples provided and the respective lot.

The report is printed in 2 copies, one of which is delivered to the customer. Replication and copying of portions of the Protocol or the Protocol as a whole without the consent of the parties is prohibited.

Fluid Systems Management LLC assumes no responsibility for the use of the protocol or part thereof for promotional purposes.

* - provided at customer's request

3) SAPROhumin is a dark brown organo-mineral suspension based on an extract of pelogen and mineralized sapropel, produced on certified equipment that has a registered international patent. The equipment has no analogues, and the output product consists of nanoparticles (less than 5 microns), which allows the suspension to easily penetrate into any plant cell. The drug is produced without the use of chemical reagents, and has a high content of humic substances, including fulvic acids, amino acids, and the entire spectrum of microelements in chelated form.



НАЦІОНАЛЬНА АКАДЕМІЯ
АГРАРНИХ НАУК УКРАЇНИ

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та агрохімії
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код згідно з ЄДРПОУ 00497055



NATIONAL ACADEMY
OF AGRARIAN SCIENCES
OF UKRAINE

National Scientific Center
«Institute for Soil Science
and Agrochemistry Research
named after O.N. Sokolovsky»

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code according to ЄДРПОУ 00497055

TEST REPORT

Performers: *Laboratory of organic fertilizer and humus NSC ISC (attestation certificate dated 06.08.2020 No. 01-0983/2020).*

Customer: *Limited Liability Company «OST-2018», Ukraine*

Product type: *Saproxsubstrate*

Testing date: *02.02.2023*

Characteristics	Actual content on dry matter
Mass fraction of dry matter, %	75,57
Mass fraction of organic matter, %	18,00
Mass fraction of general carbon, C _{gen} , %	9,00
Mass fraction of humic acids, %	1,42
Mass fraction of fulvic acids, %	2,96
Mass fraction of humic substances, %	4,38
Mass fraction of general nitrogen, N, %	0,33
Mass fraction of general phosphorus, P ₂ O ₅ , %	0,26
Mass fraction of general potassium, K ₂ O, %	0,34
Mass fraction of calcium	1,41
Mass fraction of magnesium	0,39
Mass fraction of iron, Fe, mg/kg	16915,20
Mass fraction of cobalt, Co, mg/kg	11,10
Mass fraction of copper, Cu, mg/kg	0,30
Mass fraction of manganese, Mn, mg/kg	466,10
Mass fraction of nickel, Ni, mg/kg	11,00
Mass fraction of zinc, Zn, mg/kg	5,50
Mass fraction of lead, Pb, mg/kg	32,30
Mass fraction of chromium, Cr, mg/kg	6,30
Mass fraction of cadmium, Cd, mg/kg	2,80
C : N	27
pH	7,0

Head of Organic Fertilizers and Humus Laboratory
Dr. Habil., professor

Ie. Skrytnyk



It can be used as a complex preparation for growing 100% ECO products, as well as separately with previously used fertilizers for better absorption by plants. In agricultural practice, this makes it possible to increase the quantity and improve the quality of products grown per unit field area, while simultaneously reducing costs by reducing the application rates of basic mineral fertilizers. In addition to all of the above, the drug has a long shelf life and, subject to storage standards, can be applied to the soil or “work according to the leaf” using all methods of application: from drip to steam (fog).



MELITOPILSKY EXPERIMENTAL GARDEN STATION
 then M.F. Sidorenko NAAS

Laboratory of Agrochemistry

Certificate of technical competence № MV 09-2019 from 09/26/2019

Name of the sample
 Customer:
 Sample volume
 Test dates
 The sample is tested on

Organo-mineral suspension (sample No. 4)
 "OST-2018" LLC
 1.0 dm³
 08.09.2020
 determination of chemical composition

TEST PROTOCOL № 161

#	Indicator	Value
General properties		
1	Hydrogen exponent (1:10) units pH	7,80
2	Content of water-soluble phosphorus, %	0,27
3	Content of water-soluble potassium, %	0,81
4	Total content of water-soluble nitrogen, %	5,02
5	Density, g / cm ³	0,95
Organic matter composition		
6	Moisture contents, %	82,8
7	Dry matter content, %	17,2
8	Ash content, %	28,3
9	Organic matter content, % on dry matter	71,7
10	The total content of humic acids, % organic matter, incl.	92,4
	humic acids	54,3
	fulvic acid	38,1
	humic acids per dry substance of the preparation %	65,7
	per drug %	11,4
	g / dm ³	108,2
Toxicological indicators		
11	The amount of salts, % (g / dm ³)	9,20(87,4)
12	Content of CO ₃ ions, mg-eq. / 100g	0
13	Content of HCO ₃ ions, mg-eq. / 100g	95,06
14	Content of Cr ions, mg-eq. / 100g	10,37
15	Content of ions SO ₄ ²⁻ , mg-eq. / 100g	9,42
16	Content of ions Ca ²⁺ , mg-eq. / 100g	54,84
17	Content of ions Mg ²⁺ , mg-eq. / 100g	18,28
18	Content of ions Na ⁺ , mg-eq. / 100g	25,12
19	Content of ions K ⁺ , mg-eq. / 100g	17,21
20	Content of neutral salts, mg-eq. / 100g	28,92
21	Content of non-toxic salts, mEq. / 100g	54,84
22	Content of mobile forms of zinc, mg / dm ³	2,34
23	Content of mobile forms of iron, mg / dm ³	1,16
24	Content of mobile forms of cobalt, mg / dm ³	0,02
25	Content of mobile forms of molybdenum, mg / dm ³	0,04
26	Content of mobile forms of manganese, mg / dm ³	1,75
27	Content of mobile forms of copper, mg / dm ³	0,86

Head of the laboratory of agrochemistry,
 Ip and, s.n.s.



Malyuk Tatyana

SAPROhumin has no direct competitors on the world market, since in terms of its properties and content, the concentration of natural humic substances in a mobile, easily digestible form and working solution is ~ 1: 1000, depending on the cultivated crop and method of application - it has no equal! Humic and fulvic acids contained in the preparation contribute to the release of nutrients bound in the soil, making them available to plants. Humic acids stimulate the absorption of oxygen by plants, making them resistant to heat and drought, stimulate the growth and development of plants at the cellular level, relieve stress from plants after treatment with pesticides, bind toxins and heavy metals, preventing them from entering plants, which makes the products environmentally friendly clean.

Also planning to apply and join IFOAM in the near future - Organics International, founded in 1972, is a membership organization working to bring true sustainability to agriculture around the world.

4) Biostimulator (Nitrogen 15% humic) is a derivative of a humic preparation based on an environmentally friendly extract from the pelogen layer of sapropel of a freshwater lake, containing more than 5% humic substances, 3% natural phosphorus and 14% total nitrogen per preparation, with a full range of microelements, including including cobalt and molybdenum. Can be used at all stages of crop processing, both individually and in a tank mixture. Recommended working solution is 1:1000. Compatible with all types of fertilizers. Thanks to the best amide form of nitrogen present in the preparation, it can be used when working directly with the leaf. The recommended working solution may vary depending on the crop (plant) being treated and its age. For more information, visit: www.sapro.tech (or use the QR code). It can be applied by any means and used both in greenhouses and in field farms.



Sincerely yours

(SAPROTECH LLC). Take care of yourself and your loved ones and may God help you during this difficult time. Everything will be Ukraine!

SaproTech®

2023 ©

**MADE IN
UKRAINE
MADE IN**



Igor Obolensky