



NATIONAL UNIVERSITY OF LIFE AND
ENVIRONMENTAL SCIENCES OF UKRAINE
UKRAINIAN LABORATORY OF QUALITY AND
SAFETY OF AGRICULTURAL PRODUCTS

Location: Mashinobudivnykiv str., 7, Chabany village, Kievo-Svyatoshynskiy district, 08162, Ukraine.
Legal address: Heroyiv Oborony str., 15, Kyiv, 03041, Ukraine. **Tel./fax:** +38(044) 5264502, 5264503
E-mail: info@quality.ua <http://www.quality.ua/>



2H724
ДСТУ ISO/IEC 17025

TEST REPORT №
WORK ORDER №
ISSUE DATE TR
DATE OF SAMPLES RECEIVED:
DATE OF TESTING:

0415-H
6731
03.04.18
22.03.18
22.03-03.04.18

NAME AND ADDRESS OF THE CLIENT:

LIMITED LIABILITY COMPANY "MOKROKALIGIRSKIY LIGNITE OPEN-CUT"
Lysycha Balka village, Katerynopilskiy Raion, Cherkaska Oblast, 20532

DESCRIPTION OF THE TESTED OBJECTS AND THEIR IDENTIFICATION:

The marked information on sample is indicated according to supporting documentation and marking. The sample is taking and delivered by the representative of Customer in unsealed polyethylene packaging. Place of sampling: storage № 1, Lysycha Balka village, Katerynopilskiy Raion, Cherkaska Oblast.

6731/1 Organic fertilizer «Leonardite»

Amount of sample provided for testing: 3 kg.

SUPPORTING DOCUMENTS:

Application letter № 26 on 01.03.2018, which is registered in № 6731 on 22.03.2018

Sampling report № 9 on 01.03.2018, which is registered in ULQSAP as № 6731/1 on 22.03.2018

TEST RESULTS

Determination of quality indicators:

Registration code of the sample:

Names of substances, unit of measurement	Test results	Error of measuring
pH	5,6	±0,30
Moisture, %	31,0	±3,1
Dry matter, %	69,0	±6,9
Organic matter (carbon), %	33,25	±1,80
Ash, %	33,5	±5,03
Total mass fraction of nitrogen, % on dry matter	1,5	±0,10
The total yield of humic acids (⁽¹⁾ Ct), %	66,6	±9,99
Free humic acid (⁽¹⁾ Cha), %	37,0	±5,55
Fulvic acids (⁽¹⁾ Cfa), %	29,6	±4,44

TEST METHODS:

Determination of pH – ДСТУ 7882:2015 Торф і продукти його перероблення для сільського господарства. Методи визначення обмінної й активної кислотності (Peat and products of its processing for agriculture. Methods of determination of exchange and active acidity).

Determination of moisture content and dry matter – ДСТУ ISO 11465-2001 (Soil quality. Determination of dry matter and water content on a mass basis gravimetric method).

Determination of organic matter content – ДСТУ 8454:2015 Добрива органічні. Методи визначення органічної речовини (п.7 Оксидиметричний метод) (Organic fertilizers. Organic determination method).

Determination of ash content – ДСТУ 7942:2015 Якість ґрунту. Визначення зольності торфу і торфяного ґрунту (Soil quality. Determination of ash in peat and peat oil).

Determination of the total mass fraction of total nitrogen content – ДСТУ 7911:2015 Добрива органічні та органо-мінеральні. Метод визначення сумарної масової частки азоту та масової частки амонійного азоту (Manure and organic-minerals fertilizers. Method of total mass part and mass part ammonium nitrogen determination).

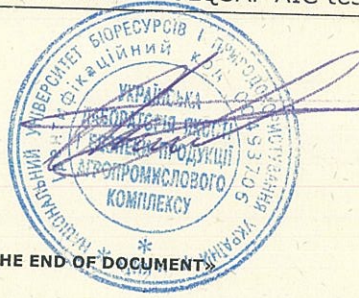
Determination of humic and fulvic acids – ДСТУ 7083:2009 Добрива органічні та органо-мінеральні. Методи визначення гумінових кислот (Manure and organic-minerals fertilizers. Methods of humus acids determination) and РМ.СМД.5.4-06 Визначення гумінових та фульвокислот у торфах, органічних і органо-мінеральних добривах (Internal method: Determination of humic and fulvic acids in peat, organic and organo-mineral fertilizers).

Notes:

1. The results are related only to the items tested.
2. Test report is not allowed to be reprinted fully or partially without any permission of Ukrainian Laboratory of Quality and Safety of Agricultural Products.
3. Without original stamp and signature of Director ULQSAP AIC test result are not valid.

¹. Ct- Carbon total humic acids.
Cha - Carbon free humic acids.
Cfa - Carbon fulvic acid.

DIRECTOR ULQSAP



V. USHKALOV

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