

Puławy, 26.11.2021

CAVITA GROUP Sp. z o.o.
1/101 Krawiecka street,
50-148 Wrocław

NŻN.501.533.2021.JT

**Expert opinion of the Institute of Soil Science and Plant Cultivation / State Research
Institute on the compliance with the quality requirements and requirements for
permissible impurities content in the organic fertiliser**

1. Name of the fertiliser: CAVITA BIOCOMPLEX

Type of fertiliser: organic fertiliser

Type: The fertiliser is manufactured by ultrasonic cavitation of peat-water mixture

Form: black-brown liquid, characteristic peat smell

2. Quality requirements

Specification	Value declared by the manufacturer	Test results	Minimum value acc. to Journal of Laws 08.119.765
Nitrogen total (N) [%]	at least 0.08	0.19	0.08
Iron (Fe) [mg/kg]	at least 70	93	-
Organic matter [% dry mass]	at least 90	98.2	-
Organic carbon (C) [%]	-	5.4	-
Dry mass [%]	-	10.3	-
Density [g/cm ³]	-	1.04	-

3. Impurities content

Impurities content determined by the Main Laboratory of Chemical Analyses of the Institute of Soil Science and Plant Cultivation - State Research Institute in Puławy do not exceed the permissible values according to the Regulation of the Minister of Agriculture and Rural

Development (Journal of Laws of 2008, No. 119, item 765) (Table 2).

Table 2. Impurities content in mg/kg dry mass

Element	Determined in a product sample	Permissible
Cr (chromium)	3.5	100
Cd (cadmium)	< 1.0	5
Ni (nickel)	< 0.3	60
Pb (lead)	2.6	140
Hg (mercury)	0.04	2

4. Assessment

Based on the results of physical, chemical and biological tests conducted in the Main Laboratory of Chemical Analyses, Institute of Soil Science and Plant Cultivation - State Research Institute in Puławy (test report No. 21N77 of 05.11.2021) I conclude that the organic fertiliser under the name CAVITA BIOCOPLEX manufactured by LLC TRADE & MANUFACTURING COMPANY CAVITA meets:

- the quality requirements declared by the manufacturer;
- the quality requirements for liquid organic fertilisers set out in the Regulation of the Minister of Agriculture and Rural Development of 18 June 2008 on implementation of certain provisions of the Act on Fertilisers and Fertilisation (Journal of Laws 2008, No. 119, item 765, with amendments);
- the requirements concerning permissible impurities content set out in the § 14 par. 1 and 2 of Regulation of the Minister of Agriculture and Rural Development of 18 June 2008 on implementation of certain provisions of the Act on Fertilisers and Fertilisation (Journal of Laws 2008, No. 119, item 765, with amendments).

Attachments to the expert opinion:

1. Test report No. 21N77 of 05.11.2021
2. Test report No. 21N77-N of 05.11.2021

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