



No. 08 - 899 / 3

14. 10. 2015, Skopje

To :INTUS LTD - SKOPJE
Ul.gorgi abadjiev br.9
Skopje/Macedonia

CERTIFICATE OF QUALITY
CHEMICAL ANALYSIS OF ORGANIC-MICROBIAL (LIQUID WORM FERTILIZER)
BIORED WORM-L

No. laboratory	51
Number of samples	1
Sample	Fertilizer
Type of test	Physical - chemical parameters
Type of sample	bring

Details of the applicant
Company: INTUS Ltd. SKOPJE - R. MACEDONIA
Date of results 14. 10. 2015

Type of analysis	Method
Determination of dry matter	Gravimetric by drying to constant weight
Determination of available nitrogen	SRPS H. B8.288. MKC EN 15475:2009
Determination of content available phosphorus P ₂ O ₅	ISO5316:1997:SPRS-H.B8.292.MKC 7497:1998
Determination of content available potassium K ₂ O	SPRS- H.B. 294
Determination content of calcium, magnesium, iron, manganese, copper, boron, zinc	ICP
Determining pH reaction	Electro metric in (1:5) aqueous solution of fertilizer at a temperature of 25 0 C

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TEST RESULTS OF FERTILIZER

Based on written request, backed by our archive file number 08-899/2 - from the 1.10.2015, We submit the report of physical - chemical analysis of *microbial organic liquid worm fertilizer - BIOREDWORM-L*. Test specimens taken and sent to the laboratory of FZNH in Skopje by the applicant of the analysis.

From the resulting sample of fertilizer gave the following results:

Table. 1. Physical - chemical properties

	Properties	Declared	Obtained values
physical properties	View	/	Liquid
	Color	/	Brown
	Smell	/	No
chemical properties	Dry matter%	/	30,05
	Organic matter%	/	46,18
	nitrogen%	/	1,93
	Phosphorus (V) oxide (P ₂ O ₅)%	/	0,51
	Potassium oxide (K ₂ O)%	/	0,57
	Calcium (Ca)%	/	0,17
	Magnesium (Mg)%	/	0,02
	Iron (Fe)%	/	0,70
	Manganese (Mn)%	/	0,10
	Copper (Cu)%	/	0,003
	Boron (B)%	/	0,02
	Zinc (Zn)%	/	0,08
	pH	/	7 - 7,6

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No. 08 - 2433 / 2

18.10.2012 ,Skopje

To :INTUS LTD - SKOPJE

Ul.gorgi abadjiev br.9

Skopje/Macedonia

**AGROCHEMICAL AND MICROBIOLOGICAL ANALYSIS OF ORGANIC-MICROBIAL
(SOLID WORM FERTILIZER) "GLISTAL"- BIOREDWORM-S**

TEST RESULTS OF FERTILIZER

Based on written request, backed by our archive file number 08-2433 /2 - from the 18/10/2012, We submit the report of *Agrochemical and microbiological analysis of microbial organic solid worm fertilizer – "GLISTAL"(BIOREDWORM –S)*. Test specimens taken and sent to the laboratory of FZNH in Skopje by the applicant of the analysis .

REPORT

Microbial composition of "Glistal" – Bioredworm-S:

1. Heterotrophic microorganisms:

Total bacteria.....	124 bil/mg
Sporulated bacteria.....	87 bil/mg
Actinomycetes.....	874 mil/mg
Yeasts.....	1.3 bil/mg

2. Physiological Groups Of Microorganisms:

Nitrogen bacteria.....	100% fertile grains
Nitrifiers.....	88% fertile grains
Aerobic cellulolytic microorganisms.....	100% fertile grains

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3. Phytopathogenic Microorganisms:

Phytopathogens bacteria.....no

Phytopathogens fungi.....no

Laboratory tests showed micro-biocide action on the following diseases: Rust, mildew, scabbing of fruit, Erwinia, Alternaria sp. , Fusarium sp. , Venttilia pirina and Verticilium sp.

Head of analysis:

DEAN of Faculty

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prof.dr Dragi Dimitrievski

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