



Test Report N^o: 15/16525

Customer

Customer: OTTIMA s. r. o.
(name and address) J.B. Magina 2295/5, 91101 Trenčín
Sent by: OTTIMA Trenčín
Contract/order: z 9.7.2015
Order: 15-06147 OTTIMA s r.o., Trenčín
Sampling by: Customer

Date of sample delivery: 09.07.2015
Date of analysis from: 09.07.2015
to: 22.07.2015
Date of Test Report issue: 22.07.2015
Sample number: 1

Test Results

N ^o :	Sample number	Type of sample	Chemical analysis				
1	15-018501	Fertilizers, soil auxiliary materials and cultivating substrates	POLYMERGAN, výrobca: Biogran LLC, Kaluga, oblast' Kaluga, Ruská federácia				
Measured quantity / parameter / analyte	Measurement unit	Test result	Uncertainty of measurement	Test method	Limit of Quantification	Methodical prescription	Type of test
pH		6.8	5 %	Potent.	1.0	IP 2.11 (STN 46 5735)	A
Dry matter	%	85.44	2 %	GA	0.05	IP 5.7 (STN 46 5735)	A
Combustible substances at 550°C	%	74.78	3 %	GA	0.05	IP 5.7 (STN 46 5735)	A
Total N	% dry matter	4.39	10 %	VA	0.10	IP 5.9d (STN 46 5735)	A
Total P as P2O5	% dry matter	3.67	7 %	AES-ICP	0.10	IP 1.31b	A
Total K as K2O	% dry matter	3.68	10 %	AES-ICP	0.01	IP 1.24b	A
Ca	% dry matter	5.44	5 %	AES-ICP	0.01	IP 1.9b	A
Mg	% dry matter	0.67	10 %	AES-ICP	0.01	IP 1.26b	A
Granulometric fraction under 20 mm	%	100	5 %	GA	0.1	IP 3.6	A
As	mg/kg dry matter	<0.3		AAS-HG	0.3	IP 1.3a (STN 46 5735)	A
Cd	mg/kg dry matter	<0.3		AAS-F	0.3	IP 1.10a (STN 46 5735)	A
Cr	mg/kg dry matter	4	14 %	AES-ICP	2	IP 1.14b (STN 46 5735)	A
Hg	mg/kg dry matter	0.030	20 %	AAS-AMA	0.002	IP 1.22a	A
Mo	mg/kg dry matter	1.9	24 %	AES-ICP	0.2	IP 1.28b (STN 46 5735)	A
Ni	mg/kg dry matter	5	20 %	AAS-F	3	IP 1.30a (STN 46 5735)	A
Pb	mg/kg dry matter	<3		AAS-F	3	IP 1.32a (STN 46 5735)	A
B	mg/kg dry matter	41	20 %	AES-ICP	5	IP 1.5b	A
Fe	mg/kg dry matter	942	10 %	AES-ICP	50	IP 1.18b	A
Mn	mg/kg dry matter	594	10 %	AES-ICP	2	IP 1.27b	A
Zn	mg/kg dry matter	445	7 %	AES-ICP	1	IP 1.49b	A

Test equipment and instruments used for testing have been calibrated and verified according to valid metrological regulations.

Abbreviations

Abbreviation	Method
AAS-AMA	Atomic absorption spectrometry - Advanced mercury analyzer
AAS-F	Atomic absorption spectrometry with flame atomization
AAS-HG	Atomic absorption spectrometry with hydride generation
AES-ICP	Inductive coupled plasma - atomic emission spectrometry
GA	Gravimetric analysis
Potent.	Potentiometry
VA	Volumetric analysis

Test type:

A - accredited, N - non accredited, SA - subcontract accredited, SN - subcontract non accredited



Laboratory is not accredited for performing of tests indicated as **N, SN, TN**

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Uncertainty of Measurement

Uncertainty of Measurement is presented as extended combined uncertainty from test result.

Statements

Testing Laboratory declares that the Test Results relate only to the tested items.

This Test Report shall not be reproduced except in full, without written approval of the Testing Laboratory.

The laboratory accreditation or its Test Report itself shall mean in no case approval of the product by the body granting the accreditation or by any other body.

Claiming

It is possible to claim the test results up to 30 days from the date of the results sending to customer. Claims delivered in written form only are accepted and executed.

Storage of samples remains

- a) Only samples with original properties which do not change in dependence on time are kept in.
- b) Samples after finishing of microbiological testing are liquidated.

Test Report will be delivered to: OTTIMA s. r. o.

Test Report provided by:

Ing. Marta Blahutová
Deputy manager of LPMS

Authorized by:


Ing. Juraj Hanuščin
Manager of LPMS

