

Your contact

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Slowakei

Analytical report

Report-version: 3

Hameln, 01/12/2021

This report replaces the version 2. The previous report becomes invalid and must be destroyed.

Page 1 of 3

Customer-no.: 50184670

Sample receipt: 27/10/2021

Order-no.: 2822995

Beginning of the test: 27/10/2021

Sample-no.: **21DD002373**

Ending of the test: 01/12/2021

Sample type: Liquid fertilizer

Description: ekofertile plant

(as declared by sender)

further details: Düngemitteltyp: Pflanzenhilfsmittel

Package: Polyvessel

Weight: 2519 g

Sampling: Dr. Darina Styriaková

Date of sampling: 11.10.2021

Result

	Unit	In original
Dry matter <i>VDLUFA II.1, 15.2.1; 2014</i>	%	0.91
Organic matter <i>VDLUFA II.1, 10.1; 2014; #6</i>	%	0.27
Ash <i>VDLUFA II.1, 10.1; 2014; #6</i>	%	0.53
Total Nitrogen (N) <i>VDLUFA II.1, 3.5.2.7; 1995</i>	%	0.0400
Ammonium Nitrogen (NH ₄ -N) <i>DIN EN ISO 11732-E 23; 2005-05</i>	%	0.01
Nitrate-Nitrogen (NO ₃ -N) <i>DIN EN ISO 13395-D 28; 1996-12; #6</i>	%	< 0.01
available nitrogen (NH ₄ -N + NO ₃ -N) <i>Calculated; #6</i>	%	0.01
Carbamid Nitrogen (N) <i>VDLUFA II.1, 3.9.2; 1995</i>	%	< 0.05
Phosphorus (P ₂ O ₅), mineral acid soluble <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	%	< 0.0100
Potassium (K ₂ O), mineral acid soluble <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	%	0.0840
Magnesium, total (calculated as MgO) <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	%	0.0275

1 % $\equiv$ 10.000 mg/kg

Digestion methods: #A1: DIN EN 16174; 2012-11, #A2: VDLUFA VII, 2.1.3; 2011 (Mikrowellendruckaufschluss)

„<...“ = Value is lower than the lower limit of the working range

#1 = IfB/IfF, Oldenburg; #2 = IfT, Oldenburg; #3 = IfL, Oldenburg; #5 = Analysis was done in another laboratory; #6 = Method is not accredited

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	Unit	In original
Calcium, total (calculated as CaO) <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	%	0.0855
Total Sulphur (S) <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	%	0.0250
Sodium (Na) <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	%	0.0895
Silicon (Si) <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.); #6, #A2</i>	%	< 0.0100
Alkaline active components (calculated as CaO) <i>VDLUFA II. 1, 6.3; 1995</i>	%	0.440
Boron (B) <i>DIN EN ISO 11885 (E 22); 2009-09, #A2</i>	mg/kg	< 2.00
Cobalt (Co) <i>DIN EN ISO 17294-2 (E 29); 2005-02 (mod.), #A1</i>	mg/kg	0.117
Iron (Fe) <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	mg/kg	142
Copper (Cu) <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	mg/kg	< 2.00
Manganese (Mn) <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	mg/kg	6.58
Molybdenum (Mo) <i>DIN EN ISO 17294-2 (E 29); 2005-02 (mod.), #A1</i>	mg/kg	< 0.100
Zinc (Zn) <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	mg/kg	< 2.00
pH value <i>DIN 38404-C 5; 2009-07; #6</i>		4.5
Salt content <i>VDLUFA I, A 10.1.1; 1991</i>	% KCl	0.782

Harmful substances

	Unit	Limit	In original	In dry matter
DüMV Anlage 2, Tab. 1.4				
Arsenic (As) <i>DIN EN ISO 17294-2 (E 29); 2005-02 (mod.), #A1</i>	mg/kg	40.0		12.1
Cadmium (Cd) <i>DIN EN ISO 17294-2 (E 29); 2005-02 (mod.), #A1</i>	mg/kg	1.50		0.190
Chromium (Cr) <i>DIN EN ISO 17294-2 (E 29); 2005-02 (mod.), #A1</i>	mg/kg			2.75
Lead (Pb) <i>DIN EN ISO 17294-2 (E 29); 2005-02 (mod.), #A1</i>	mg/kg	150		10.1

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Harmful substances

	<u>Unit</u>	<u>Limit</u>	<u>In original</u>	<u>In dry matter</u>
	DüMV Anlage 2, Tab. 1.4			
Nickel (Ni)	mg/kg	80.0		22.0
<i>DIN EN ISO 17294-2 (E 29); 2005-02 (mod.), #A1</i>				
Thallium (Tl)	mg/kg	1.00		0.0100
<i>DIN EN ISO 17294-2 (E 29); 2005-02 (mod.), #A1</i>				
Mercury (Hg)	mg/kg	1.00		0.0400
<i>DIN EN 1483; 2007-07, #A1</i>				

On behalf
Dr. Marcel Schulz
Head of Laboratory

This report was created automatically and is valid without a signature.

Copy to: ekolive Germany GmbH, 33102 Paderborn

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