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Smart Ferti GmbH
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Date 12.02.2021
Customer no. 10082539

REPORT 2843487 / 3 - 107406 / 3

The slash after the order and/or analysis number corresponds to the current version of the test report. This version replaces all previous versions of this test report. All former versions of this report should be destroyed.

Order **2843487 / 3**
Sample no. **107406 / 3**
Sample acceptance **28.01.2021**
Date of sampling **25.01.2021**
Customer sample description **Smart Ferti®- Universeller bioaktiver Komplexdünger für Pflanzen**

	Unit	Result	Substance	Value in DM	Limit value	Method
Physico-chemical parameters						
Water	%	4,5	OM			DIN EN 12880 : 2001-02
organic matter	%	10,4	OM	10,9		VDLUF A II, 10.1 : 1999
Residue on ignition 550°C	%	85,1	OM	89,1		VDLUF A II, 10.1 : 1999

Value-determining components						
nitrogen - total (N)	%	0,50	OM	0,52		REG(EC) 2003/2003, IV, 2.3.2 : 2003-10
total Phosphat (P2O5)	%	<0,50 ^{m)}	OM	<0,52		VDLUF A II, 9.5.1 : 2004 & DIN EN ISO 11885: 2009-09
total potassium (K2O)	%	1,3	OM	1,4		VDLUF A II, 9.5.1 : 2004 & DIN EN ISO 11885: 2009-09
alkaline-effective substances (CaO)	%	3,9	OM	4,1		VDLUF A II, 6.3.1 : 2008

Trace nutrients / Heavy metals						
Arsenic (As)	mg/kg	5,31	OM	5,56		VDLUF A II, 9.5.1 : 2004 & DIN EN ISO 17294-2 : 2017-01
Lead (Pb)	mg/kg	12,2	OM	12,8		VDLUF A II, 9.5.1 : 2004 & DIN EN ISO 17294-2 : 2017-01
Cadmium (Cd)	mg/kg	<0,20	OM	<0,21		VDLUF A II, 9.5.1 : 2004 & DIN EN ISO 17294-2 : 2017-01
Chromium (Cr)	mg/kg	47,9	OM	50,2		VDLUF A II, 9.5.1 : 2004 & DIN EN ISO 17294-2 : 2017-01
Nickel (Ni)	mg/kg	24,3	OM	25,4		VDLUF A II, 9.5.1 : 2004 & DIN EN ISO 17294-2 : 2017-01
Mercury (Hg)	mg/kg	<0,050	OM	<0,052		DIN EN 16320 : 2017-05
Thallium (Tl)	mg/kg	0,18	OM	0,19		VDLUF A II, 9.5.1 : 2004 & DIN EN ISO 17294-2 : 2017-01

m) Due to the disturbing influence of the sample matrix, the limit of detection resp. limit of quantitation was increased.

Explanation: The symbol "<" or n.d. in the result column means, the substance concerned is not quantifiable at the limit of quantification shown opposite.

Parameter-specific measurement uncertainties and information regarding the method of calculation will be provided upon request if the reported results are above the parameter-specific limit of quantification.

Explanation: OM = on original matter; DM = on dry matter base

Remark to organic matter: According to Method VDLUF A MB II 10.1 levels of urea compounds must be considered in the calculation of organic matter. They will only be considered if they are analyzed or specified by the customer.

The activities reported in this document are accredited according to DIN EN ISO/IEC 17025:2018. Only not accredited activities are identified by the symbol " *) " .

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Start of testing: 28.01.2021
End of testing: 09.02.2021

The results are related only to the samples tested. In cases where the laboratory has not been responsible for sampling, the reported results apply to the samples as received. Duplication of this document or of parts of it requires the authorization from laboratory. In accordance our agreement in writing in the order confirmation, the results in this test report are in a simplified form in the context of DIN EN ISO/IEC 17025:2018, paragraph 7.8.1.3.



AGROLAB LUFA Herr Gosch, Tel. 0431/1228-110
Customer Relation Management

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