REPORT OF ANALYSIS

OM04 | ORGANIC FERTILIZERS 4

M23-0324-Kippenmestpellets (101095)

Fertilab Solid analysis

MeMon B.V.
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SAMPLE and EXAMINATION

Number of report: AR-23CM1042-01

Sample number	:	23CM1042	Date report	:	23 March 2023
Date received	:	14 March 2023	Order number	:	101095

SAMPLE INFORMATION

as specified by the client

Sample received as	:	M23-0324-Kippenmestpellets (101095)
Batch number	:	-

ANALYTICAL RESULTS

Parameter		Units [a]	Analytical result on fresh basis	Analytical result on dry matter basis
Dry matter	DS	%	**90.1**	
Total Nitrogen	N	g/kg	**37.0**	**41.0**
- Organic Nitrogen [b]	N-org	g/kg	**34.7**	**38.5**
- Ammonium-nitrogen	NH_4-N	g/kg	**2.3**	**2.5**
- Nitrate-nitrogen	NO_3-N	g/kg	**< 0.1**	**< 0.1**
Phosphorus	P_2O_5	g/kg	**26.4**	**29.3**
Potassium	K_2O	g/kg	**25.4**	**28.2**
Magnesium	MgO	g/kg	**11.0**	**12.2**
Calcium	CaO	g/kg	**88.5**	**98.2**
Sodium	Na_2O	g/kg	**4.1**	**4.6**
Sulfur	SO_3	g/kg	**15.1**	**16.7**
Silicon	SiO_2	mg/kg	**2089**	**2318**
Boron	B	mg/kg	**28**	**31**
Copper	Cu	mg/kg	**70**	**78**
Iron	Fe	mg/kg	**855**	**949**
Manganese	Mn	mg/kg	**328**	**364**
Molybdenum	Mo	mg/kg	**3**	**4**
Zinc	Zn	mg/kg	**322**	**358**
Chlorine	Cl	g/kg	**6.0**	**6.7**
Organic matter	OS	%	**66.3**	**73.6**
Ash (inorganic matter)	AS	%	**23.8**	**26.4**
C/N ratio	C/N		**9.6**	

NOTES TO THE ANALYSIS

[a] The used unit ' g/kg ' is equivalent to ' kg/tonne '

[b] The organic nitrogen content is calculated from the difference in total nitrogen and the sum of nitrate- and ammonium nitrogen

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APPLIED METHODS

Parameter	Applied standards or guidelines
Dry matter	Equivalent to NEN-EN 12048; gravimetry; WV-DS
Total Nitrogen	In accordance with VDLUFA (I) A.2.2.5; dry combustion (Dumas); WV-TN
Extraction	Equivalent to VDLUFA (II.2) 3.7.1.1; extraction; WV-NMINM
Nitrate-nitrogen	Equivalent to NEN-EN-ISO 13395; photometry (CFA); WV-NO3
Ammonium-nitrogen	Equivalent to NEN-EN-ISO 11732; photometry (CFA); WV-NH4
Digestion	Equivalent to VDLUFA (II.2) 5.1.1.2; digestion; WV-OOM
Phosphorus, Potassium, Magnesium, Sulfur, Calcium, Manganese, Zinc, Iron, Boron, Copper, Molybdenum, Sodium, Silicon	In accordance with NEN 6966; AES-ICP; WV-ICPOES
Extraction	Equivalent to VDLUFA (II.1) 11.14; extraction; WV-EWCL
Chlorine	Equivalent to NEN-EN-ISO 15682; photometry (CFA); WV-CL
Organic matter	Equivalent to NEN 7432; gravimetry; WV-LOI
Ash (inorganic matter), C/N ratio	Derived (calculated) value

All analysis were performed by Fertilab B.V., De Hunze 5, 8253 PX Dronten in the period from 14 maart 2023 to 23 maart 2023

QUALITY ASSURANCE

Fertilab laboratory works according to the international standard for test laboratories, NEN-EN-ISO/IEC 17025:2018. This implies that, within the laboratory, procedures are used to secure the quality from sampling to analysis. The received sample (laboratory code 23CM1042) is handled according to procedures.

SAMPLING

as specified by the client

Date of sampling : 13 March 2023

Sampling by : Unknown

Sampling is not the responsibility of Fertilab B.V.

SOURCE

The conversion factors used are from "Handbook FERTILIZERS", Edition 2000