

REPORT OF ANALYSIS

OM04 | ORGANIC FERTILIZERS 4

Kippenmestpellets (101095)



MeMon B.V.
Rembrandtlaan 1
NL-6814 JL ARNHEM

SAMPLE and EXAMINATION

Number of report: AR-22JM1022-01

Sample number : 22JM1022 Date report : 28 October 2022
Date received : 18 October 2022 Order number : 101095

SAMPLE INFORMATION

as specified by the client

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

ANALYTICAL RESULTS

Parameter		Units ^a	Analytical result	Analytical result
			on fresh basis	on dry matter basis
Dry matter	DS	%	91.7	
Total Nitrogen	N	g/kg	36.2	39.5
- Organic Nitrogen ^b	N-org	g/kg	35.0	38.1
- Ammonium-nitrogen	NH ₄ -N	g/kg	1.2	1.3
- Nitrate-nitrogen	NO ₃ -N	g/kg	< 0.1	< 0.1
Phosphorus	P ₂ O ₅	g/kg	26.3	28.7
Potassium	K ₂ O	g/kg	23.0	25.1
Magnesium	MgO	g/kg	12.0	13.1
Calcium	CaO	g/kg	117.5	128.2
Sodium	Na ₂ O	g/kg	7.1	7.7
Sulfur	SO ₃	g/kg	16.6	18.1
Silicon	SiO ₂	mg/kg	2994	3266
Boron	B	mg/kg	31	34
Copper	Cu	mg/kg	71	78
Iron	Fe	mg/kg	3320	3622
Manganese	Mn	mg/kg	363	396
Molybdenum	Mo	mg/kg	3	4
Zinc	Zn	mg/kg	321	351
Chlorine	Cl	g/kg	5.1	5.6
Organic matter	OS	%	63.7	69.5
Ash (inorganic matter)	AS	%	27.9	30.5
C/N ratio	C/N		9.5	

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

The results relate only to the sample presented. The analysis, reporting limits and performance characteristics are available on request. This analytical report shall not otherwise than as a whole be reproduced without written permission from Fertilab. The results have been produced under the responsibility of Erwin van de Kamp

K.v.K. Gooi-, Eem- en Flevoland reg.nr. 64670252 | BTW-nr. NL8557.71.392.B01 | IBAN: NL32 RABO 030774465

Fertilab B.V. | De Hunze 5 | 8253 PX Dronten | t. 0321-745005 | info@fertilab.nl | www.fertilab.nl

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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 18 oktober 2022 to 28 oktober 2022

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 22JM1022) is handled according to procedures.

SAMPLING

as specified by the client

Date of sampling : 17 October 2022

Sampling by : Unknown

Sampling is not the responsibility of Fertilab B.V.

SOURCE

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