

Client data

Wojciech Pabjaniak

Kosclanska 30 lok. 21
54-027 Wrocław Polonia (POLONIA)

Contact: Wojciech Pabjaniak

Laboratory data

Sampling: Client

Collection: Client

Entrance: 06/11/2025 - 12:40 **Start:** 14/11/2025 **End:** 27/11/2025

Ref.: Saprovit

Description:

Sample type: liquid organic fertiliser (group 2)

Description: Liquid in two plastic containers 2,076kg

Condition:

Obs.:

FERTILISER PRODUCT ANALYSIS (physic-chemical)

PARAMETER		Result				Test method
Humidity		96,7	%(w/w)			PTA-FQ-024, desiccation at 105°C, UNE-EN 12048:1997, UNE-CEN/TS 17773:2022
Dry matter		3,29	%(w/w)			PTA-FQ-024, desiccation at 105°C, UNE-EN 12048:1997, UNE-CEN/TS 17773:2022
pH		6,60	Unit pH			PTA-FQ-004, pH-meter, based on UNE-EN 13037:2012
Electrical conductivity at 25°C		0,781	mS/cm			PTA-FQ-005, conductimeter, based on UNE-EN 13038:2012
Nutrients		o.n.s.		o.d.s.		
Ash		0,88	%(w/w)	26,8	%(w/w)	PTA-FQ-022, calcination 540°C, based on UNE-EN 13039:2012
Total organic matter		2,41	%(w/w)	73,2	%(w/w)	PTA-FQ-022, calcination, based on UNE-EN 13039:2012
Total carbon	C	1,51	%(w/w)	45,8	%(w/w)	PTA-FQ-036, elemental analyzer based on UNE-CEN/TS 17776:2022
Inorganic carbon	C	< 0,063	%(w/w)	< 1,92	%(w/w)	PTA-FQ-136, elemental analyzer based on UNE-CEN/TS 17776:2022
Inorganic carbon	CaCO ₃	< 0,52	%(w/w)	< 16,0	%(w/w)	PTA-FQ-136, elemental analyzer based on UNE-CEN/TS 17776:2022
Total organic carbon	C	1,51	%(w/w)	45,8	%(w/w)	PTA-FQ-036, in-house method based on UNE-CEN/TS 17776:2022
Total nitrogen	N	0,296	%(w/w)	9,0	%(w/w)	PTA-FQ-036, Dumas, based on CEN/TS 17771:2022
Ammonium nitrogen	N	< 0,0100	%(w/w)	< 0,304	%(w/w)	PTA-FQ-053, ion chromatography, based on UNE-EN 14911:2000
Nitric nitrogen	N	< 22,6	mg/kg	< 688	mg/kg	PTA-FQ-006, ionic chromatography, based on UNE-EN 10304-1:2009
Ureic nitrogen	N	< 0,100	%(w/w)	< 3,04	%(w/w)	PTA-FQ-041, HPLC-UV, based on UNE-EN ISO 19746:2017
Organic nitrogen	N	0,296	%(w/w)	9,00	%(w/w)	PTA-FQ-020, Mathematical calculation, based on CEN/TS 17771:2022
Heavy metal		o.n.s.		o.d.s.		
Total cadmium	Cd	< 0,100	mg/kg	< 3,0	mg/kg	PTA-FQ-027, ICP-OES, based on CEN/TS 17770:2022
Chromium VI	Cr(VI)	< 0,50	mg/kg	< 15,2	mg/kg	PTA-FQ-034, HPLC-UV, based on UNE-EN 16318:2015+A1:2016
Total nickel	Ni	0,37	mg/kg	11,4	mg/kg	PTA-FQ-027, ICP-OES, based on CEN/TS 17770:2022
Total lead	Pb	< 1,00	mg/kg	< 30	mg/kg	PTA-FQ-027, ICP-OES, based on CEN/TS 17770:2022
Total copper	Cu	0,81	mg/kg	24,7	mg/kg	PTA-FQ-027, ICP-OES based on CEN/TS 17770:2022

This certificate concerns only the tested sample. In case the laboratory is not responsible for sampling, the results obtained apply to the sample as received. The calculation of uncertainties is available to the customer. The laboratory is responsible for the information provided in this certificate except the information provided by the client and the opinions and/or interpretations issued for information purposes only which are not accredited. It is the responsibility of the customer the correct interpretation of the results. This certificate shall not be partially reproduced without the written approval of the laboratory.

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The tests/sampling marked with (*) and activities (opinions, interpretations, etc...) marked with (**) are not covered by ENAC accreditation.

Heavy metal		o.n.s.		o.d.s.		
Total zinc	Zn	3,65	mg/kg	111	mg/kg	PTA-FQ-027, ICP-OES based on CEN/TS 17770:2022
Total mercury	Hg	< 0,100	mg/kg	< 3,0	mg/kg	PTA-FQ-027, ICP-OES, based on CEN/TS 17770:2022
Total arsenic	As	< 1,00	mg/kg	< 30	mg/kg	PTA-FQ-027, ICP-OES, based on CEN/TS 17770:2022
Inorganic arsenic	As	< 1,00	mg/kg	< 30	mg/kg	PTA-FQ-166, HPLC-ICP-MS, based on UNE-CEN/TS 17775:2022
Specific		o.n.s.		o.d.s.		
Biuret		< 0,0200	%(w/w)	< 0,61	%(w/w)	PTA-FQ-041, HPLC-UV, based on UNE-EN ISO 19746:2017

o.n.s.: on natural sample, o.d.s.: on dry sample.

(w/w): weight/weight, (w/v): weight/volume.

The analyzes in this report and intended to verify the conformity of fertilizer products in the European Union according to Regulation (EU) 2019/1009 and RD 506/2013 of June 28, have been performed in a reliable and reproducible manner, as they have been carried out in accordance with standards or parts of harmonized standards whose references have been published in the Official Journal of the European Union and in Annex VI of RD 506/2013 of June 28, following internal procedures indicated in the field "methodology". Some of these tests may follow equivalent or alternative methods backed by validation and intercomparison tests, if they do not follow or do not have a harmonized standard available.

FERTILIZER ANALYSIS (Chromatography)

Parameters	Result $\pm$ U (o.d.s.)	Unit	LoQ	Test Method
Perchlorate	< 0,10	mg/kg	0,10	PTA-PG-008. LC-MS/MS

Uncertainty (U) is expressed from a coverage factor equal to 2 (95% confidence). o.d.s.: on dry sample. LoQ: Limit of quantification.

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