

Degradation with Ensynox organic enzyme

CLIENT: Sunshine Green Services / Videoriaszto Ltd.

The minutes were approved by:



Bálint Mária

Dep. **Managing Director**

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The minutes contain 6 numbered pages.

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Test report Degradation with Ensynox organic enzyme

Client: Sunshine Green Services LLC / Videoriaszto Ltd.

Work Number: 26-1786

Internal code of samples: 26-1786/1-13

Supervisor: Dr. Tajti Ádám

The samples were transported to the laboratory: the client

Date(s) of the arrival of the samples in the laboratory: 12.02.2026.

Duration of the tests: 21 days

Samples designated for testing, requested tests:

26-1786/1-13 **Testing of the designated waste samples for metal, semi-metal, As, Hg content and TPH-GC.**

The measurement results only refer to the samples examined!

The responsibility for sampling lies with the above-mentioned Sampling Organization!

If the information(s) provided by the Client may affect any of the test results, the responsibility lies with the Client!

Test method(s):

MSZ EN 13657:2003	Sample preparation, exploration of elements soluble in royal water
EPA 6020B:2014 Measurement uncertainty: $\pm 10\%$ Lower Measurement Limit: Ag, As, B, Ba, Cd, Co, Cr, Cu, Hg, Mo, Ni, Pb, Sb, Se, Sn, Zn 0,05 mg/kg	Defining Element Content (ICP-MS)
MSZ 21470-105:2009NA Measurement uncertainty: $\pm 10\%$ <10 mg/kg: $\pm 15\%$ Value corrected with the accompanying standard. Lower limit of measurement: 20 mg/kg	Determination of volatile aliphatic hydrocarbons
MSZ 21470-94:2009NA Measurement uncertainty: $\pm 10\%$ <10 mg/kg: $\pm 15\%$ Value corrected with the accompanying standard. Lower limit of measurement: 20 mg/kg	Determination of extractable hydrocarbons.

^{NA} The given test is not an activity accredited by NAH. See the results section!

The minutes were prepared by:

Pécsi Adrienn
Administrator

Checked by (supervisor):

Dr. Tajti Ádám
Head of Department

Budapest, 14.05.2026.

Measurement results**Degradation with Ensynox organic enzyme****Testing of the metal and semi-metal content of waste samples**

Date received: 12.02.2026.

Date of designation: 03.03.2026.

Code		26-1786/1	26-1786/2	26-1786/3
Pattern sign		Oil sludge original value	Mud/Sewage sludge original value	Enzyme value to be added
Start of sample preparation/ End of the study		04.03./04.24.		
Ag	mg/kg	0,06	0,13	<0.05
As	mg/kg	0.15	0,21	<0.05
B	mg/kg	0,31	16,4	0,45
Ba	mg/kg	3,23	12,30	<0.05
Cd	mg/kg	0,81	0,12	<0.05
Co	mg/kg	132	0,07	<0.05
Cr	mg/kg	3,08	0,73	0,56
Cu	mg/kg	2,09	6,07	<0.05
Hg	mg/kg	2,40	1,92	<0.05
Mo	mg/kg	63,4	0,22	<0.05
Ni	mg/kg	0,13	0,53	<0.05
Pb	mg/kg	0,21	0,38	<0.05
Sb	mg/kg	<0.05	<0.05	<0.05
Se	mg/kg	0,11	0,08	<0.05
Sn	mg/kg	0,87	0,53	0,90
Zn	mg/kg	4.91	16,9	<0.05

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Ensynox organic enzyme degradation

Testing of the metal and semi-metal content of waste samples

Date received: 12.02.2026.

Date of designation: 03.03.2026.

Code		26-1786/8
Pattern sign		Oil sludge 21. day of extract
Start of sample preparation/ End of the study		04.03. 04.24.
Ag	mg/kg	<0,05
As	mg/kg	<0,05
B	mg/kg	<0,05
Ba	mg/kg	2,72
CD	mg/kg	0,06
Co	mg/kg	<0,05
Cr	mg/kg	0,15
Cu	mg/kg	1,93
Hg	mg/kg	<0,05
Mo	mg/kg	<0,05
Ni	mg/kg	0,15
Pb	mg/kg	0,16
Sb	mg/kg	<0,05
Se	mg/kg	<0,05
Sn	mg/kg	0,14
Zn	mg/kg	5,11

BÁLINT ANALITIKA Kft. Laboratory 26-1786/1-13

Ensynox organic enzyme degradation

Testing of the metal and semi-metal content of sewage waste samples

Date received: 12.02.2026.

Date of designation: 03.03.2026.

Code		26-1786/13
Pattern sign		Mud/Sewage sludge 21. day
Start of sample preparation/ End of the study		04.03. 04.24.
Ag	mg/kg	0,06
As	mg/kg	0,06
B	mg/kg	<0,05
Ba	mg/kg	5,92
CD	mg/kg	<0,05
Co	mg/kg	<0,05
Cr	mg/kg	0,26
Cu	mg/kg	3,25
Hg	mg/kg	<0,05
Mo	mg/kg	0,09
Ni	mg/kg	0,19
Pb	mg/kg	0,29
Sb	mg/kg	<0,05
Se	mg/kg	0,01
Sn	mg/kg	0,30
Zn	mg/kg	10,7

BÁLINT ANALITIKA Kft. Laboratory 26-1786/1-13
Ensynox organic enzyme degradation

TPH-GC Test Results for Waste Samples NA
(Dry matter content)
mg/kg

Date received: 12.02.2026.

Designated: 03.03.2026

Lab code	Pattern sign	Sample preparation Start/end of study			TPH-GC
26-1786/1	Oil sludge	2026.04.09./04.30.	C5-12 C13-40	84100 645000	729000
26-1786/2	Sludge/Mud	2026.04.09./04.30.	C5-12 C13-40	29,4 2310	2340
26-1786/4	Oil sludge 5. day	2026.04.09./04.30.	C5-12 C13-40	9600 72400	82000
26-1786/5	Oil sludge 10. day	2026.04.09./04.30.	C5-12 C13-40	9100 64900	74000
26-1786/6	Oil sludge 15. day	2026.04.09./04.30.	C5-12 C13-40	8300 61700	70000
26-1786/7	Oil sludge 20. day	2026.04.09./04.30.	C5-12 C13-40	8100 60900	69000
26-1786/8	Oil sludge 21. day	2026.04.09./04.30.	C5-12 C13-40	8100 60900	69000
26-1786/9	Mud 5. day	2026.04.09./04.30.	C5-12 C13-40	<20 500	520
26-1786/10	Sludge 10. day	2026.04.09./04.30.	C5-12 C13-40	<20 390	410
26-1786/11	Mud 15. day	2026.04.09./04.30.	C5-12 C13-40	<20 370	390
26-1786/12	Sludge 20. day	2026.04.09./04.30.	C5-12 C13-40	<20 370	390
26-1786/13	Mud 21. day	2026.04.09./04.30.	C5-12 C13-40	<20 360	380

Lower limit of measurement C5-C12: 20 mg/kg for

Lower limit of measurement C13-C40: 20 mg/kg for

TPH – GC C5-C40 reporting limit of the Bálint Analitika Kft. testing laboratory: 40 mg/kg for s.a.

^{NA} The given test is not an activity accredited by NAH.