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SNAS
Reg. No. 423/S-307

RESULT OF THE ANALYSIS No. 3991/2018

EKO-TERM SERVIS s.r.o.
Napájadlá 11/2743
040 12 Košice

Name saple : PUF 1 + filter + kondenzát + výplach
Place of sampling : UAB ,,Fortum Klaipeda,, , Lithuania, waste incinerator

Colecion of samples:	EKO TERM -SERVIS s.r.o,Košice	Date of service:	24.9.2018
Sampling method:	STN EN 1948-1	Date of colection :	17.9.2018
Sampel charecteristic :	emisie	Termination date :	3.10.18

The analysis results are to the subject matter of the analysis and not replace any other documents.
Without written approval of the testing laboratory this certificate may by reproduced as a whole only.

Results of tests

Parameter	Unit	Sample No. 18007841 Value	Method
suma PCDD/F	ng TEQ/sample	0,05125	A STN EN 1948

A/N : acredited / not acredited
uncertainty U K=2 (95% probability)

Note on sampling: Sampling is not covered by this Protocol

Košice, dated: 3.10.2018

Head chemist: Ing. Eva Jusková

Autorized: .....
Ing. Eva Jusková
Head manager of the laboratory

Partial results: Page No: 2/3

	I-TEF	Contcent.PCDD/F ng/sample.	Contcent. PCDD/F ngTEQ/sample
2378TCDD	1	<0,004	<0,0040
12378PeCDD	0,5	<0,010	<0,005
123478HxCDD	0,1	<0,010	<0,0010
123678HxCDD	0,1	0,038	0,00383
123789HxCDD	0,1	0,014	0,00144
1234678HpCDD	0,01	0,160	0,00160
OCDD	0,001	0,244	0,000244
Suma PCDD		0,4567	0,01711
2378TCDF	0,1	0,037	0,00366
12378PeCDF	0,05	0,016	0,000815
23478PeCDF	0,5	0,042	0,0208
123478HxCDF	0,1	0,018	0,00176
123678HxCDF	0,1	0,017	0,00172
234678HxCDF	0,1	0,034	0,00343
123789HxCDF	0,1	0,013	0,00128
1234678HpCDF	0,01	0,052	0,0005
1234789HpCDF	0,01	0,012	0,0001
OCDF	0,001	0,042	0,000042
Suma PCDF		0,2813	0,03414
Suma PCDD/F		0,7380	0,05125

Limit of quantification - shown in the table as the value of <

EQ value is given by the sum of the values of the concentrations of individual PCDD / F by multiplying the I-TEF
If the concentration of the wage determination is to TEQ values calculated LOD
Values of I-TEFpro PCDD / F used by Ministry of Environment Decree 410/2012 Coll
Disclaimer:
Chemical analysis was performed according to the IPP 464 (EN 1948 2.3)
The main difference IPP 464 - type mass detector triple qadrupol
The method was validated under the accreditation criteria.

For validation of the method under the following parameters:
- Expanded uncertainty: 30%

The volume of the sample after concentrating 100 µl
Injection: 2 ml

13C12 standad	Typ	Extraction
		%
2378TCDD	Extraction	99
12378PeCDD	Extraction	110
123478HxCDD	Extraction	112
123678HxCDD	Extraction	84
1234678HpCDD	Extraction	103
OCDD	Extraction	109
2378TCDF	Extraction	82
23478PeCDF	Extraction	87
123478HxCDF	Extraction	73
123678HxCDF	Extraction	70
234678HxCDF	Extraction	71
1234678HpCDF	Extraction	75
OCDF	Extraction	82
12378PeCDF	Sampling	81
123789HxCDF	Sampling	50
1234789HpCDF	Sampling	78

The Annex is an integral part of the relevant protocol
It may be reproduced only with this Protocol

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Chemist Supervisor: Ing. Eva Jusková

Ing. Eva Jusková
Head manager of the laboratory