## Attachment no. 2 to the Certificate of Analysis for work order ST2413125

**Sample:** 24SE2\_0-0,2

**ALS SAMPLE ID:** ST2413125/ 002

Measurement results PCDD/Fs:

Sample:			24SE2_0-0,2		
			Final extract [µl]:		75
Sample weight [g]: 3.611			Injection volume [µl]:		4
Dry matter [%]: 71.8			Acquisition date [d.m.y]:		20.04.2024
2,3,7,8-PCDD/Fs	Result	Limit of	Limit of	¹WHO-TEFs	WHO-TEQ
		Detection	Quantification		Upperbound
	[ng/kg dw]	[ng/kg dw]	[ng/kg dw]		[ng/kg dw]
2,3,7,8-TCDD	< 2.3	1.1	2.3	1	2.3
1,2,3,7,8-PeCDD	< 2.3	1.2	2.3	1	2.3
1,2,3,4,7,8-HxCDD	< 1.1	1.1	2.3	0.1	0.11
1,2,3,6,7,8-HxCDD	< 1.5	0.74	1.5	0.1	0.15
1,2,3,7,8,9-HxCDD	< 0.82	0.82	1.6	0.1	0.082
1,2,3,4,6,7,8-HpCDD	< 18	9.1	18	0.01	0.18
OCDD	< 76	38	76	0.0003	0.023
2,3,7,8-TCDF	19	0.3	0.6	0.1	1.9
1,2,3,7,8-PeCDF	6.3	0.61	1.2	0.03	0.19
2,3,4,7,8-PeCDF	9	0.67	1.3	0.3	2.7
1,2,3,4,7,8-HxCDF	3.2	0.92	1.8	0.1	0.32
1,2,3,6,7,8-HxCDF	3.4	1	2.1	0.1	0.34
1,2,3,7,8,9-HxCDF	< 1.2	1.2	2.4	0.1	0.12
2,3,4,6,7,8-HxCDF	2.7	1.1	2.2	0.1	0.27
1,2,3,4,6,7,8-HpCDF	30	1.6	3.1	0.01	0.3
1,2,3,4,7,8,9-HpCDF	< 2.8	2.8	5.6	0.01	0.028
OCDF	20	2.2	4.5	0.0003	0.006
WHO-TEQ from quantified 2,3,7,8-PCDD/Fs -"Lowerbound" 6.0					
WHO-TEQ from 2,3,7,8-PCDD/Fs -,,Mediumbound"					8.7
Maximum possible WHO-TEQ -"Upperbound"					11
PCDDs	Result [ng/kg dw]		PCDFs	Result [ng/kg dw]	
Tetra-CDDs	< 25		Tetra-CDFs	280	
Penta-CDDs	18		Penta-CDFs	73	
Hexa-CDDs	11		Hexa-CDFs	29	
Hepta-CDDs	< 29		Hepta-CDFs	50	
OCDD	< 76		OCDF	20	
Total PCDDs	29		Total PCDFs	450	

<sup>&</sup>lt;sup>1</sup>WHO 2005 TEF according to Van den Berg et al: Toxicological Sciences Advance Acces, 7 July 2006)

Estimation of uncertainty of each 2,3,7,8-PCDD/F congener is 30% and total WHO-TEQ is 20%.

These values were ensured by analyses of certified reference material under conditions of internal reproducibility.

Results marked "<" are bellow limit of detection or quantification.

The limit of quantification is defined as double of the detection limit.

The limit of detection is defined as the amount of analyte producing a signal with  $S/N \ge 3$ .

The value of detection limit is mentioned as the actual value at the acquisition date.

Measurement uncertainty is expressed as a double (k=2) relative standard deviation (RSD%), and corresponds to 95% confidence interval.

<sup>&</sup>quot;Lowerbound" and "Upperbound" are levels defined in Regulation 2017/644 and EN 1948-4.

<sup>&</sup>quot;Mediumbound" is levels defined in Regulation 2017/644.