



## Analysis report

**Client:**

Toxicowatch  
Abel Arkenbout  
info@toxicowatch.org  
grote ossenmarkt 18  
8861 CP  
Harlingen  
Nederland

**Authorized by:**

Snezana Zeljkovic  
Principle analyst

**Date report (dd-mm-yyyy):**

30-08-2021

**Responsible person BDS:**

Emiel Felzel  
Head of Testing Laboratory

**Information about report**

The results of examination refer exclusively to the checked samples.

Results are given in table 1.

Sample characteristics are given in table 2.

The measurement uncertainty for CALUX method is typically below 30%. For the calculation a coverage factor of 1 is used.

Accreditation ISO 17025 (RvA L401) is not applicable for activities described in this report

Date of the performance of the test: 30-08-2021

**Table 1 sample analysis results**

No.	Client code	Method	Parameter	Result	Conclusion	Cut off	Unit
1	V1 TWP21-IVRY_VEG-02	DR CALUX	dl-PCBs (separated TEQ)	0.60	---	n.a.	pg TEQ / gram product
2	V1 TWP21-IVRY_VEG-02	DR CALUX	PCDD/PCDF (separated TEQ)	1.1	---	n.a.	pg TEQ / gram product
3	V2 TWP21-CHAR_VEG-9A	DR CALUX	dl-PCBs (separated TEQ)	0.29	---	n.a.	pg TEQ / gram product
4	V2 TWP21-CHAR_VEG-9A	DR CALUX	PCDD/PCDF (separated TEQ)	4.1	---	n.a.	pg TEQ / gram product
5	V3 TWP21-PARIS-13_VEG-24A	DR CALUX	dl-PCBs (separated TEQ)	0.32	---	n.a.	pg TEQ / gram product
6	V3 TWP21-PARIS-13_VEG-24A	DR CALUX	PCDD/PCDF (separated TEQ)	0.34	---	n.a.	pg TEQ / gram product
7	V4 TWP21-IVRY_VEG-23	DR CALUX	dl-PCBs (separated TEQ)	0.77	---	n.a.	pg TEQ / gram product
8	V4 TWP21-IVRY_VEG-23	DR CALUX	PCDD/PCDF (separated TEQ)	0.87	---	n.a.	pg TEQ / gram product

n.a. = no cut off according to EU guideline in BEQ established, maximal levels applicable if available

**Table 2 sample characteristics**

No.	Client code	BDS code	Matrix	ISO17025 (RvAL401)	Date arrival	Sealed
1	V1 TWP21-IVRY_VEG-02	41098	Not defined	no	12-08-2021	
2	V1 TWP21-IVRY_VEG-02	41098	Not defined	no	12-08-2021	
3	V2 TWP21-CHAR_VEG-9A	41099	Not defined	no	12-08-2021	
4	V2 TWP21-CHAR_VEG-9A	41099	Not defined	no	12-08-2021	
5	V3 TWP21-PARIS-13_VEG-24A	41100	Not defined	no	12-08-2021	
6	V3 TWP21-PARIS-13_VEG-24A	41100	Not defined	no	12-08-2021	
7	V4 TWP21-IVRY_VEG-23	41101	Not defined	no	12-08-2021	
8	V4 TWP21-IVRY_VEG-23	41101	Not defined	no	12-08-2021	

For the method DR CALUX and the sum parameter PCDD/PCDF (separated TEQ) the used method is extraction with organic solvents; the extracts are cleaned on an acid silica column and separation is done with a florisil column. The cleaned extracts are dissolved in DMSO. The DR CALUX activity is determined (24h exposure) and benchmarked against 2,3,7,8-TCDD. The DR CALUX analysis is done according to p-bds-051

For the method DR CALUX and the sum parameter dl-PCBs (separated TEQ) the used method is extraction with organic solvents; the extracts are cleaned on an acid silica column futher clean-up is done with a florisil column; The cleaned extracts are dissolved in DMSO; Separation is done with alumina; ; the DR CALUX Analysis is done according to p-bds-051extraction with organic solvents; the extracts are cleaned on an acid silica column and separation is done with a alumina column. The cleaned extracts are dissolved in DMSO. The DR CALUX activity is determined (24h exposure) and benchmar



**BioDetection Systems**  
Science Park 406  
1098XH  
Amsterdam  
The Netherlands

Tel: 0031 20 4350 750  
Fax: 0031 20 4350 757  
E-mail: info@bds.nl  
Web: www.bds.nl

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### Authorized by:

Emiel Felzel  
Head of Testing Laboratory

### Date report (dd-mm-yyyy):

20-08-2021

### Responsible person BDS:

Emiel Felzel  
Head of Testing Laboratory

### Information about report

The results of examination refer exclusively to the checked samples.

Results are given in table 1.

Sample characteristics are given in table 2.

The measurement uncertainty for CALUX method is typically below 30%. For the calculation a coverage factor of 1 is used.

If an analysis is accredited by ISO17025 (RvA L401) is indicated by a yes or a no

Date of the performance of the test: 30-11--0001

Table 1 sample analysis results

No.	Client code	Method	Parameter	Result	Conclusion	Cut off	Unit
1	IVRY_EGG4	DR CALUX	PCDD/PCDF (BEQ; semi)	7.5	suspected	1.7	pg BEQ / gram fat
2	IVRY_EGG4	DR CALUX	PCDD/PCDF and dl-PCBs (BEQ; semi)	11	suspected	3.3	pg BEQ / gram fat
3	IVRY_EGG2	DR CALUX	PCDD/PCDF (BEQ; semi)	0.84	compliant	1.7	pg BEQ / gram fat
4	IVRY_EGG2	DR CALUX	PCDD/PCDF and dl-PCBs (BEQ; semi)	1.2	compliant	3.3	pg BEQ / gram fat
5	IVRY_EGG1, IVRY_EGG3, IVRY_EGG5	DR CALUX	PCDD/PCDF (BEQ; semi)	4.6	suspected	1.7	pg BEQ / gram fat
6	IVRY_EGG1, IVRY_EGG3, IVRY_EGG5	DR CALUX	PCDD/PCDF and dl-PCBs (BEQ; semi)	7.4	suspected	3.3	pg BEQ / gram fat
7	ALF_EGG2	DR CALUX	PCDD/PCDF (BEQ; semi)	7.0	suspected	1.7	pg BEQ / gram fat
8	ALF_EGG2	DR CALUX	PCDD/PCDF and dl-PCBs (BEQ; semi)	14	suspected	3.3	pg BEQ / gram fat

**For the suspected sample(s) to be non-compliant, the concentration has to be determined by a confirmatory method**

Table 2 sample characteristics

No.	Client code	BDS code	Matrix	ISO17025 (RvA L401)	Date arrival	Sealed
1	IVRY_EGG4	41173	Food, egg(product)	yes	19-07-2021	no
2	IVRY_EGG4	41173	Food, egg(product)	yes	19-07-2021	no
3	IVRY_EGG2	41174	Food, egg(product)	yes	19-07-2021	no
4	IVRY_EGG2	41174	Food, egg(product)	yes	19-07-2021	no
5	IVRY_EGG1, IVRY_EGG3, IVRY_EGG5	41175	Food, egg(product)	yes	19-07-2021	no
6	IVRY_EGG1, IVRY_EGG3, IVRY_EGG5	41175	Food, egg(product)	yes	19-07-2021	no
7	ALF_EGG2	41176	Food, egg(product)	yes	19-07-2021	no
8	ALF_EGG2	41176	Food, egg(product)	yes	19-07-2021	no

For the method DR CALUX and the sum parameter PCDD/PCDF (BEQ; semi) the used method is shake extraction with organic solvents (hexane); the extracts are cleaned on an acid silica column. The cleaned extracts are dissolved in DMSO. The DR CALUX activity is determined (24h exposure). The response of the sample is corrected for the background and subsequently corrected for the apparent bioassay recovery with a reference sample at the level of interest. The evaluation was done on the maximum level for PCDD/F, from which a cut off value has been established (2/3 of maximum level) to determine if a sample is compliant or suspected. As a maximum level the level of the matrix as described in the table above is used. After the evaluation an estimation is given of the sample in the form of a BEQ outcome. The DR CALUX analysis is done according to p-bds-051.

For the method DR CALUX and the sum parameter PCDD/PCDF and dl-PCBs (BEQ; semi) the used method is shake extraction with organic solvents (hexane); the extracts are cleaned on an acid silica column. The cleaned extracts are dissolved in DMSO. The DR CALUX activity is determined (24h exposure). The response of the sample is corrected for the background and subsequently corrected for the apparent bioassay recovery with a reference sample at the level of interest. The evaluation was done on the maximum level for PCDD/F and dl-PCBs, from which a cut off value has been established (2/3 of maximum level) to determine if a sample is compliant or suspected. As a maximum level the level of the matrix as described in the table above is used. After the evaluation an estimation is given of the sample in the form of a BEQ outcome. The DR CALUX analysis is done according to p-bds-051.

For the method DR CALUX and the sum parameter dl-PCBs (BEQ; semi) the used method is

All DR CALUX analysis results comply with EU requirements as indicated in Commission Regulation (EU) 2017/644 of 5 April 2017 laying down methods of sampling and analysis for the control of levels of dioxins, dioxin-like PCBs and non-dioxin-like PCBs in certain foodstuffs. Maximal levels according to COMMISSION REGULATION (EU) 2015/704 of 30 April 2015.



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Snezana Zeljkovic  
Principle analyst

**Date report (dd-mm-yyyy):**

08-09-2021

**Responsible person BDS:**

Emiel Felzel  
Head of Testing Laboratory

**Information about report**

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Results are given in table 1.

Sample characteristics are given in table 2.

The measurement uncertainty for CALUX method is typically below 30%. For the calculation a coverage factor of 1 is used.

Accreditation ISO 17025 (RvA L401) is not applicable for activities described in this report

Date of the performance of the test: 08-09-2021

**Table 1 sample analysis results**

No.	Client code	Method	Parameter	Result	Conclusion	Cut off	Unit
1	PM01	DR CALUX	dl-PCBs (separated TEQ)	1.1	---	n.a.	pg TEQ / gram product
2	PM01	DR CALUX	PCDD/PCDF (separated TEQ)	3.8	---	n.a.	pg TEQ / gram product
3	PM02	DR CALUX	dl-PCBs (separated TEQ)	0.31	---	n.a.	pg TEQ / gram product
4	PM02	DR CALUX	PCDD/PCDF (separated TEQ)	1.1	---	n.a.	pg TEQ / gram product
5	PM03	DR CALUX	dl-PCBs (separated TEQ)	0.61	---	n.a.	pg TEQ / gram product
6	PM03	DR CALUX	PCDD/PCDF (separated TEQ)	2.2	---	n.a.	pg TEQ / gram product
7	PM04	DR CALUX	dl-PCBs (separated TEQ)	0.29	---	n.a.	pg TEQ / gram product
8	PM04	DR CALUX	PCDD/PCDF (separated TEQ)	0.88	---	n.a.	pg TEQ / gram product

n.a.= no cut off according to EU guideline in BEQ established, maximal levels applicable if available

**Table 2 sample characteristics**

No.	Client code	BDS code	Matrix	ISO17025 (RvAL401)	Date arrival	Sealed
1	PM01	41226	Not defined	no	30-08-2021	
2	PM01	41226	Not defined	no	30-08-2021	
3	PM02	41227	Not defined	no	30-08-2021	
4	PM02	41227	Not defined	no	30-08-2021	
5	PM03	41228	Not defined	no	30-08-2021	
6	PM03	41228	Not defined	no	30-08-2021	
7	PM04	41229	Not defined	no	30-08-2021	
8	PM04	41229	Not defined	no	30-08-2021	

For the method DR CALUX and the sum parameter PCDD/PCDF (separated TEQ) the used method is extraction with organic solvents; the extracts are cleaned on an acid silica column and separation is done with a florisil column. The cleaned extracts are dissolved in DMSO. The DR CALUX activity is determined (24h exposure) and benchmarked against 2,3,7,8-TCDD. The DR CALUX analysis is done according to p-bds-051

For the method DR CALUX and the sum parameter dl-PCBs (separated TEQ) the used method is extraction with organic solvents; the extracts are cleaned on an acid silica column futher clean-up is done with a florisil column; The cleaned extracts are dissolved in DMSO; Separation is done with alumina; ; the DR CALUX Analysis is done according to p-bds-051extraction with organic solvents; the extracts are cleaned on an acid silica column and separation is done with a alumina column. The cleaned extracts are dissolved in DMSO. The DR CALUX activity is determined (24h exposure) and benchmar

PM01: IVRY\_Moss-01 + IVRY\_Moss-02: 57 gram

PM02: IVRY\_MOSS-04 + IVRY\_MOSS-05: 110 gram

PM03: CHAR\_MOSS-06a + CHAR\_MOSS-06b: 189 gram

PM04: PARIS-13\_MOSS-09 + PARIS-13\_MOSS-10: 64 gram



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### Authorized by:

Emiel Felzel  
Head of Testing Laboratory

### Date report (dd-mm-yyyy):

04-11-2021

### Responsible person BDS:

Emiel Felzel  
Head of Testing Laboratory

### Information about report

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Results are given in table 1.

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Date of the performance of the test: 04-11-2021

**Table 1 sample analysis results**

No.	Client code	Method	Parameter	Result	Conclusion	Cut off	Unit
1	Ivry_veg5	DR CALUX	dl-PCBs (separated TEQ)	0.42	---	n.a.	pg TEQ / gram product
2	Ivry_veg5	DR CALUX	PCDD/PCDF (separated TEQ)	2.7	---	n.a.	pg TEQ / gram product
3	Paris-egg1=Paris-egg7	DR CALUX	PCDD/PCDF (BEQ; semi)	2.8	suspected	1.7	pg BEQ / gram fat
4	Paris-egg1=Paris-egg7	DR CALUX	PCDD/PCDF and dl-PCBs (BEQ; semi)	5.9	suspected	3.3	pg BEQ / gram fat
5	Alf-egg1	DR CALUX	PCDD/PCDF (BEQ; semi)	4.3	suspected	1.7	pg BEQ / gram fat
6	Alf-egg1	DR CALUX	PCDD/PCDF and dl-PCBs (BEQ; semi)	8.5	suspected	3.3	pg BEQ / gram fat

### **For the suspected sample(s) to be non-compliant, the concentration has to be determined by a confirmatory method**

n.a.= no cut off according to EU guideline in BEQ established, maximal levels applicable if available

**Table 2 sample characteristics**

No.	Client code	BDS code	Matrix	ISO17025 (RvA L401)	Date arrival	Sealed
1	Ivry_veg5	41607	Not defined	no	18-10-2021	
2	Ivry_veg5	41607	Not defined	no	18-10-2021	
3	Paris-egg1=Paris-egg7	41608	Food, egg(product)	yes	18-10-2021	
4	Paris-egg1=Paris-egg7	41608	Food, egg(product)	yes	18-10-2021	
5	Alf-egg1	41609	Food, egg(product)	yes	18-10-2021	
6	Alf-egg1	41609	Food, egg(product)	yes	18-10-2021	

For the method DR CALUX and the sum parameter PCDD/PCDF (separated TEQ) the used method is extraction with organic solvents; the extracts are cleaned on an acid silica column and separation is done with a floril column. The cleaned extracts are dissolved in DMSO. The DR CALUX activity is determined (24h exposure) and benchmarked against 2,3,7,8-TCDD. The DR CALUX analysis is done according to p-bds-051

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### Authorized by:

Emiel Felzel

### Date report (dd-mm-yyyy):

09-08-2021

### Responsible person BDS:

Emiel Felzel  
Head of Testing Laboratory

### Information about report

The results of examination refer exclusively to the checked samples.

All analysis results comply with EU requirements as indicated in Commission Regulation (EU) 2017/644 of 5 April 2017 laying down methods of sampling and analysis for the control of levels of dioxins, dioxin-like PCBs and non-dioxin-like PCBs in certain foodstuffs. Maximal levels according to COMMISSION REGULATION (EU) 2015/704 of 30 April 2015.

For the analyses on dioxins/furans/dl-PCBs/ndl-PCB the sample is extracted with organic solvents (hexane); the extracts are cleaned on an acid silica column/alumina/florisil/carbon. For recovery calculation all 13C labeled congeners are added. The concentrations are determined by GC-MS/MS.

### Information about sample

BDS sample number	40958
Client identification	IVRY_EGG4
Sample received on	19-07-2021
Start of test	20-07-2021
End of test	26-07-2021
Matrix	Food, egg(product)

### Judgement

Non-compliant for maximal level limit (expressed as WHO PCDD/F TEQ) taking into account expanded measurement uncertainty.  
Sample IVRY\_EGG4 is above the maximal level of 2.5 pg TEQ / gram fat.

Non-compliant for maximal level limit (expressed as WHO PCDD/F + dl-PCBs TEQ) taking into account expanded measurement uncertainty.  
Sample IVRY\_EGG4 is above the maximal level of 5 pg TEQ / gram fat.

### Test results:

#### WHO sum parameters (accredited under RvA L401)

WHO PCDD/F TEQ excl. LOQ 2005	8.6	pg TEQ / gram fat	U+/-	24%
WHO PCDD/F TEQ incl. LOQ 2005	8.6	pg TEQ / gram fat	U+/-	24%
WHO dl-PCBs TEQ excl. LOQ 2005	16	pg TEQ / gram fat	U+/-	24%
WHO dl-PCBs TEQ incl. LOQ 2005	16	pg TEQ / gram fat	U+/-	24%
WHO PCDD/F + dl-PCBs TEQ excl. LOQ 2005	25	pg TEQ / gram fat	U+/-	23%
WHO PCDD/F + dl-PCBs TEQ incl. LOQ 2005	25	pg TEQ / gram fat	U+/-	23%

#### Dioxins/furans (accredited under RvA L401)

2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.54	pg / gram fat	U+/-	44%
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	2.0	pg / gram fat	U+/-	31%
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	2.5	pg / gram fat	U+/-	44%
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	13	pg / gram fat	U+/-	46%
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	5.2	pg / gram fat	U+/-	41%
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	110	pg / gram fat	U+/-	34%
Octachlorodibenzo-p-dioxin	230	pg / gram fat	U+/-	49%
2,3,7,8-Tetrachlorodibenzofuran	5.2	pg / gram fat	U+/-	27%
1,2,3,7,8-Pentachlorodibenzofuran	2.4	pg / gram fat	U+/-	31%
2,3,4,7,8-Pentachlorodibenzofuran	2.9	pg / gram fat	U+/-	29%
1,2,3,4,7,8-Hexachlorodibenzofuran	2.2	pg / gram fat	U+/-	37%

1,2,3,6,7,8-Hexachlorodibenzofuran	9.2	pg / gram fat	U+/-	25%
1,2,3,7,8,9-Hexachlorodibenzofuran	0.24	pg / gram fat	U+/-	41%
2,3,4,6,7,8-Hexachlorodibenzofuran	2.1	pg / gram fat	U+/-	32%
1,2,3,4,6,7,8-Heptachlorodibenzofuran	LOQ (<0.2)	pg / gram fat	U+/-	25%
1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.56	pg / gram fat	U+/-	28%
Octachlorodibenzofuran	6.9	pg / gram fat	U+/-	37%

dl-PCBs (accredited under RvA L401)

3,3',4,4'-Tetrachlorobiphenyl (#77)	220	pg / gram fat	U+/-	39%
3,4,4',5-Tetrachlorobiphenyl (#81)	6.0	pg / gram fat	U+/-	32%
3,3',4,4',5-Pentachlorobiphenyl (#126)	110	pg / gram fat	U+/-	26%
3,3',4,4',5,5'-Hexachlorobiphenyl (#169)	5.7	pg / gram fat	U+/-	53%
2,3,3',4,4'-Pentachlorobiphenyl (#105)	30000	pg / gram fat	U+/-	51%
2,3,4,4',5-Pentachlorobiphenyl (#114)	1300	pg / gram fat	U+/-	32%
2,3',4,4',5-Pentachlorobiphenyl (#118)	120000	pg / gram fat	U+/-	44%
2,3',4,4',5'-Pentachlorobiphenyl (#123)	850	pg / gram fat	U+/-	36%
2,3,3',4,4',5-Hexachlorobiphenyl (#156)	11000	pg / gram fat	U+/-	36%
2,3,3',4,4',5'-Hexachlorobiphenyl (#157)	2200	pg / gram fat	U+/-	37%
2,3',4,4',5,5'-Hexachlorobiphenyl (#167)	4700	pg / gram fat	U+/-	35%
2,3,3',4,4',5,5'-Heptachlorobiphenyl (#189)	340	pg / gram fat	U+/-	37%

Recovery Dioxins/furans

2,3,7,8-Tetrachlorodibenzo-p-dioxin	59.6%
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	112.7%
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	124.9%
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	148.4%
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	116.4%
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	124%
Octachlorodibenzo-p-dioxin	73.4%
2,3,7,8-Tetrachlorodibenzofuran	65.4%
1,2,3,7,8-Pentachlorodibenzofuran	84.6%
2,3,4,7,8-Pentachlorodibenzofuran	91.8%
1,2,3,4,7,8-Hexachlorodibenzofuran	140.9%
1,2,3,6,7,8-Hexachlorodibenzofuran	115.7%
1,2,3,7,8,9-Hexachlorodibenzofuran	105.3%
2,3,4,6,7,8-Hexachlorodibenzofuran	128.7%
1,2,3,4,6,7,8-Heptachlorodibenzofuran	151.4%
1,2,3,4,7,8,9-Heptachlorodibenzofuran	141.8%
Octachlorodibenzofuran	79.4%

Recovery dl-PCBs

3,3',4,4'-Tetrachlorobiphenyl (#77)	74.7%
3,4,4',5-Tetrachlorobiphenyl (#81)	79.3%
3,3',4,4',5-Pentachlorobiphenyl (#126)	63.9%
3,3',4,4',5,5'-Hexachlorobiphenyl (#169)	114.6%
2,3,3',4,4'-Pentachlorobiphenyl (#105)	91.7%
2,3,4,4',5-Pentachlorobiphenyl (#114)	86.4%
2,3',4,4',5-Pentachlorobiphenyl (#118)	89%
2,3',4,4',5'-Pentachlorobiphenyl (#123)	79.1%
2,3,3',4,4',5-Hexachlorobiphenyl (#156)	111%
2,3,3',4,4',5'-Hexachlorobiphenyl (#157)	104%
2,3',4,4',5,5'-Hexachlorobiphenyl (#167)	104.4%
2,3,3',4,4',5,5'-Heptachlorobiphenyl (#189)	143.7%



**BioDetection Systems**  
Science Park 406  
1098XH  
Amsterdam  
The Netherlands

Tel: 0031 20 4350 750  
Fax: 0031 20 4350 757  
E-mail: info@bds.nl  
Web: www.bds.nl

## Analysis report

### Client:

Toxicowatch  
Abel Arkenbout  
info@toxicowatch.org  
  
8861 CP  
Harlingen  
Nederland

### Authorized by:

Emiel Felzel

### Date report (dd-mm-yyyy):

09-08-2021

### Responsible person BDS:

Emiel Felzel  
Head of Testing Laboratory

### Information about report

The results of examination refer exclusively to the checked samples.

All analysis results comply with EU requirements as indicated in Commission Regulation (EU) 2017/644 of 5 April 2017 laying down methods of sampling and analysis for the control of levels of dioxins, dioxin-like PCBs and non-dioxin-like PCBs in certain foodstuffs. Maximal levels according to COMMISSION REGULATION (EU) 2015/704 of 30 April 2015.

For the analyses on dioxins/furans/dl-PCBs/ndl-PCB the sample is extracted with organic solvents (hexane); the extracts are cleaned on an acid silica column/alumina/florisil/carbon. For recovery calculation all 13C labeled congeners are added. The concentrations are determined by GC-MS/MS.

### Information about sample

BDS sample number	40959
Client identification	IVRY_EGG2
Sample received on	19-07-2021
Start of test	20-07-2021
End of test	26-07-2021
Matrix	Food, egg(product)

### Test results:

#### WHO sum parameters (accredited under RvA L401)

WHO PCDD/F TEQ excl. LOQ 2005	0.71	pg TEQ / gram fat	U+/-	24%
WHO PCDD/F TEQ incl. LOQ 2005	0.98	pg TEQ / gram fat	U+/-	24%
WHO dl-PCBs TEQ excl. LOQ 2005	1.3	pg TEQ / gram fat	U+/-	24%
WHO dl-PCBs TEQ incl. LOQ 2005	1.3	pg TEQ / gram fat	U+/-	24%
WHO PCDD/F + dl-PCBs TEQ excl. LOQ 2005	2	pg TEQ / gram fat	U+/-	23%
WHO PCDD/F + dl-PCBs TEQ incl. LOQ 2005	2.3	pg TEQ / gram fat	U+/-	23%

#### Dioxins/furans (accredited under RvA L401)

2,3,7,8-Tetrachlorodibenzo-p-dioxin	LOQ (<0.2)	pg / gram fat	U+/-	44%
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.23	pg / gram fat	U+/-	31%
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	LOQ (<0.2)	pg / gram fat	U+/-	44%
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.48	pg / gram fat	U+/-	46%
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	LOQ (<0.2)	pg / gram fat	U+/-	41%
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	2.5	pg / gram fat	U+/-	34%
Octachlorodibenzo-p-dioxin	6.0	pg / gram fat	U+/-	49%
2,3,7,8-Tetrachlorodibenzofuran	0.91	pg / gram fat	U+/-	27%
1,2,3,7,8-Pentachlorodibenzofuran	0.45	pg / gram fat	U+/-	31%
2,3,4,7,8-Pentachlorodibenzofuran	0.51	pg / gram fat	U+/-	29%
1,2,3,4,7,8-Hexachlorodibenzofuran	0.47	pg / gram fat	U+/-	37%
1,2,3,6,7,8-Hexachlorodibenzofuran	0.56	pg / gram fat	U+/-	25%
1,2,3,7,8,9-Hexachlorodibenzofuran	LOQ (<0.2)	pg / gram fat	U+/-	41%
2,3,4,6,7,8-Hexachlorodibenzofuran	0.43	pg / gram fat	U+/-	32%
1,2,3,4,6,7,8-Heptachlorodibenzofuran	LOQ (<0.2)	pg / gram fat	U+/-	25%
1,2,3,4,7,8,9-Heptachlorodibenzofuran	LOQ (<0.2)	pg / gram fat	U+/-	28%
Octachlorodibenzofuran	LOQ (<0.2)	pg / gram fat	U+/-	37%

## dl-PCBs (accredited under RvA L401)

3,3',4,4'-Tetrachlorobiphenyl (#77)	26	pg / gram fat	U+/-	39%
3,4,4',5-Tetrachlorobiphenyl (#81)	LOQ (<2)	pg / gram fat	U+/-	32%
3,3',4,4',5-Pentachlorobiphenyl (#126)	12	pg / gram fat	U+/-	26%
3,3',4,4',5,5'-Hexachlorobiphenyl (#169)	1.2	pg / gram fat	U+/-	53%
2,3,3',4,4'-Pentachlorobiphenyl (#105)	520	pg / gram fat	U+/-	51%
2,3,4,4',5-Pentachlorobiphenyl (#114)	23	pg / gram fat	U+/-	32%
2,3',4,4',5-Pentachlorobiphenyl (#118)	1700	pg / gram fat	U+/-	44%
2,3',4,4',5'-Pentachlorobiphenyl (#123)	33	pg / gram fat	U+/-	36%
2,3,3',4,4',5-Hexachlorobiphenyl (#156)	250	pg / gram fat	U+/-	36%
2,3,3',4,4',5'-Hexachlorobiphenyl (#157)	51	pg / gram fat	U+/-	37%
2,3',4,4',5,5'-Hexachlorobiphenyl (#167)	120	pg / gram fat	U+/-	35%
2,3,3',4,4',5,5'-Heptachlorobiphenyl (#189)	30	pg / gram fat	U+/-	37%



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## Analysis report

### Client:

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Abel Arkenbout  
info@toxicowatch.org  
  
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### Authorized by:

Emiel Felzel

### Date report (dd-mm-yyyy):

09-08-2021

### Responsible person BDS:

Emiel Felzel  
Head of Testing Laboratory

### Information about report

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For the analyses on dioxins/furans/dl-PCBs/ndl-PCB the sample is extracted with organic solvents (hexane); the extracts are cleaned on an acid silica column/alumina/florisil/carbon. For recovery calculation all 13C labeled congeners are added. The concentrations are determined by GC-MS/MS.

### Information about sample

BDS sample number	40960
Client identification	IVRY_EGG1, IVRY_EGG3, IVRY_EGG5
Sample received on	19-07-2021
Start of test	20-07-2021
End of test	26-07-2021
Matrix	Food, egg(product)

### Judgement

Non-compliant for maximal level limit (expressed as WHO PCDD/F TEQ) taking into account expanded measurement uncertainty.  
Sample IVRY\_EGG1, IVRY\_EGG3, IVRY\_EGG5 is above the maximal level of 2.5 pg TEQ / gram fat.

Non-compliant for maximal level limit (expressed as WHO PCDD/F + dl-PCBs TEQ) taking into account expanded measurement uncertainty.  
Sample IVRY\_EGG1, IVRY\_EGG3, IVRY\_EGG5 is above the maximal level of 5 pg TEQ / gram fat.

### Test results:

#### WHO sum parameters (accredited under RvA L401)

WHO PCDD/F TEQ excl. LOQ 2005	4.1	pg TEQ / gram fat	U+/-	24%
WHO PCDD/F TEQ incl. LOQ 2005	4.1	pg TEQ / gram fat	U+/-	24%
WHO dl-PCBs TEQ excl. LOQ 2005	6.9	pg TEQ / gram fat	U+/-	24%
WHO dl-PCBs TEQ incl. LOQ 2005	6.9	pg TEQ / gram fat	U+/-	24%
WHO PCDD/F + dl-PCBs TEQ excl. LOQ 2005	11	pg TEQ / gram fat	U+/-	23%
WHO PCDD/F + dl-PCBs TEQ incl. LOQ 2005	11	pg TEQ / gram fat	U+/-	23%

#### Dioxins/furans (accredited under RvA L401)

2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.34	pg / gram fat	U+/-	44%
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.2	pg / gram fat	U+/-	31%
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.53	pg / gram fat	U+/-	44%
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.9	pg / gram fat	U+/-	46%
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.0	pg / gram fat	U+/-	41%
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	11	pg / gram fat	U+/-	34%
Octachlorodibenzo-p-dioxin	15	pg / gram fat	U+/-	49%
2,3,7,8-Tetrachlorodibenzofuran	4.7	pg / gram fat	U+/-	27%
1,2,3,7,8-Pentachlorodibenzofuran	1.9	pg / gram fat	U+/-	31%
2,3,4,7,8-Pentachlorodibenzofuran	3.5	pg / gram fat	U+/-	29%
1,2,3,4,7,8-Hexachlorodibenzofuran	1.7	pg / gram fat	U+/-	37%

1,2,3,6,7,8-Hexachlorodibenzofuran	1.6	pg / gram fat	U+/-	25%
1,2,3,7,8,9-Hexachlorodibenzofuran	LOQ (<0.2)	pg / gram fat	U+/-	41%
2,3,4,6,7,8-Hexachlorodibenzofuran	1.0	pg / gram fat	U+/-	32%
1,2,3,4,6,7,8-Heptachlorodibenzofuran	LOQ (<0.2)	pg / gram fat	U+/-	25%
1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.20	pg / gram fat	U+/-	28%
Octachlorodibenzofuran	1.5	pg / gram fat	U+/-	37%

dl-PCBs (accredited under RvA L401)

3,3',4,4'-Tetrachlorobiphenyl (#77)	580	pg / gram fat	U+/-	39%
3,4,4',5-Tetrachlorobiphenyl (#81)	13	pg / gram fat	U+/-	32%
3,3',4,4',5-Pentachlorobiphenyl (#126)	56	pg / gram fat	U+/-	26%
3,3',4,4',5,5'-Hexachlorobiphenyl (#169)	4.4	pg / gram fat	U+/-	53%
2,3,3',4,4'-Pentachlorobiphenyl (#105)	9500	pg / gram fat	U+/-	51%
2,3,4,4',5-Pentachlorobiphenyl (#114)	320	pg / gram fat	U+/-	32%
2,3',4,4',5-Pentachlorobiphenyl (#118)	21000	pg / gram fat	U+/-	44%
2,3',4,4',5'-Pentachlorobiphenyl (#123)	250	pg / gram fat	U+/-	36%
2,3,3',4,4',5-Hexachlorobiphenyl (#156)	3100	pg / gram fat	U+/-	36%
2,3,3',4,4',5'-Hexachlorobiphenyl (#157)	450	pg / gram fat	U+/-	37%
2,3',4,4',5,5'-Hexachlorobiphenyl (#167)	660	pg / gram fat	U+/-	35%
2,3,3',4,4',5,5'-Heptachlorobiphenyl (#189)	170	pg / gram fat	U+/-	37%

Recovery Dioxins/furans

2,3,7,8-Tetrachlorodibenzo-p-dioxin	51%
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	75.3%
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	90%
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	106.2%
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	95.2%
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	93.5%
Octachlorodibenzo-p-dioxin	52.9%
2,3,7,8-Tetrachlorodibenzofuran	45.9%
1,2,3,7,8-Pentachlorodibenzofuran	63.8%
2,3,4,7,8-Pentachlorodibenzofuran	67.1%
1,2,3,4,7,8-Hexachlorodibenzofuran	86.4%
1,2,3,6,7,8-Hexachlorodibenzofuran	75.6%
1,2,3,7,8,9-Hexachlorodibenzofuran	87.4%
2,3,4,6,7,8-Hexachlorodibenzofuran	105.9%
1,2,3,4,6,7,8-Heptachlorodibenzofuran	102.1%
1,2,3,4,7,8,9-Heptachlorodibenzofuran	90.3%
Octachlorodibenzofuran	44%

Recovery dl-PCBs

3,3',4,4'-Tetrachlorobiphenyl (#77)	46.4%
3,4,4',5-Tetrachlorobiphenyl (#81)	141.1%
3,3',4,4',5-Pentachlorobiphenyl (#126)	53.3%
3,3',4,4',5,5'-Hexachlorobiphenyl (#169)	89.9%
2,3,3',4,4'-Pentachlorobiphenyl (#105)	55%
2,3,4,4',5-Pentachlorobiphenyl (#114)	56.8%
2,3',4,4',5-Pentachlorobiphenyl (#118)	64.4%
2,3',4,4',5'-Pentachlorobiphenyl (#123)	62.1%
2,3,3',4,4',5-Hexachlorobiphenyl (#156)	86.6%
2,3,3',4,4',5'-Hexachlorobiphenyl (#157)	81.2%
2,3',4,4',5,5'-Hexachlorobiphenyl (#167)	65.2%
2,3,3',4,4',5,5'-Heptachlorobiphenyl (#189)	88.4%



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Science Park 406  
1098XH  
Amsterdam  
The Netherlands

Tel: 0031 20 4350 750  
Fax: 0031 20 4350 757  
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## Analysis report

### Client:

Toxicowatch  
Abel Arkenbout  
info@toxicowatch.org  
  
8861 CP  
Harlingen  
Nederland

### Authorized by:

Emiel Felzel

### Date report (dd-mm-yyyy):

09-08-2021

### Responsible person BDS:

Emiel Felzel  
Head of Testing Laboratory

### Information about report

The results of examination refer exclusively to the checked samples.

All analysis results comply with EU requirements as indicated in Commission Regulation (EU) 2017/644 of 5 April 2017 laying down methods of sampling and analysis for the control of levels of dioxins, dioxin-like PCBs and non-dioxin-like PCBs in certain foodstuffs. Maximal levels according to COMMISSION REGULATION (EU) 2015/704 of 30 April 2015.

For the analyses on dioxins/furans/dl-PCBs/ndl-PCB the sample is extracted with organic solvents (hexane); the extracts are cleaned on an acid silica column/alumina/florisil/carbon. For recovery calculation all 13C labeled congeners are added. The concentrations are determined by GC-MS/MS.

### Information about sample

BDS sample number	40961
Client identification	ALF_EGG2
Sample received on	19-07-2021
Start of test	20-07-2021
End of test	26-07-2021
Matrix	Food, egg(product)

### Judgement

Non-compliant for maximal level limit (expressed as WHO PCDD/F TEQ) taking into account expanded measurement uncertainty.  
Sample ALF\_EGG2 is above the maximal level of 2.5 pg TEQ / gram fat.

Non-compliant for maximal level limit (expressed as WHO PCDD/F + dl-PCBs TEQ) taking into account expanded measurement uncertainty.  
Sample ALF\_EGG2 is above the maximal level of 5 pg TEQ / gram fat.

### Test results:

#### WHO sum parameters (accredited under RvA L401)

WHO PCDD/F TEQ excl. LOQ 2005	7.9	pg TEQ / gram fat	U+/-	24%
WHO PCDD/F TEQ incl. LOQ 2005	7.9	pg TEQ / gram fat	U+/-	24%
WHO dl-PCBs TEQ excl. LOQ 2005	21	pg TEQ / gram fat	U+/-	24%
WHO dl-PCBs TEQ incl. LOQ 2005	21	pg TEQ / gram fat	U+/-	24%
WHO PCDD/F + dl-PCBs TEQ excl. LOQ 2005	29	pg TEQ / gram fat	U+/-	23%
WHO PCDD/F + dl-PCBs TEQ incl. LOQ 2005	29	pg TEQ / gram fat	U+/-	23%

#### Dioxins/furans (accredited under RvA L401)

2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.61	pg / gram fat	U+/-	44%
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	2.1	pg / gram fat	U+/-	31%
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	2.1	pg / gram fat	U+/-	44%
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	5.5	pg / gram fat	U+/-	46%
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	3.7	pg / gram fat	U+/-	41%
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	65	pg / gram fat	U+/-	34%
Octachlorodibenzo-p-dioxin	150	pg / gram fat	U+/-	49%
2,3,7,8-Tetrachlorodibenzofuran	9.9	pg / gram fat	U+/-	27%
1,2,3,7,8-Pentachlorodibenzofuran	3.0	pg / gram fat	U+/-	31%
2,3,4,7,8-Pentachlorodibenzofuran	5.0	pg / gram fat	U+/-	29%
1,2,3,4,7,8-Hexachlorodibenzofuran	2.8	pg / gram fat	U+/-	37%

1,2,3,6,7,8-Hexachlorodibenzofuran	4.3	pg / gram fat	U+/-	25%
1,2,3,7,8,9-Hexachlorodibenzofuran	0.18	pg / gram fat	U+/-	41%
2,3,4,6,7,8-Hexachlorodibenzofuran	1.4	pg / gram fat	U+/-	32%
1,2,3,4,6,7,8-Heptachlorodibenzofuran	LOQ (<0.2)	pg / gram fat	U+/-	25%
1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.24	pg / gram fat	U+/-	28%
Octachlorodibenzofuran	1.7	pg / gram fat	U+/-	37%

dl-PCBs (accredited under RvA L401)

3,3',4,4'-Tetrachlorobiphenyl (#77)	350	pg / gram fat	U+/-	39%
3,4,4',5-Tetrachlorobiphenyl (#81)	6.4	pg / gram fat	U+/-	32%
3,3',4,4',5-Pentachlorobiphenyl (#126)	200	pg / gram fat	U+/-	26%
3,3',4,4',5,5'-Hexachlorobiphenyl (#169)	6.7	pg / gram fat	U+/-	53%
2,3,3',4,4'-Pentachlorobiphenyl (#105)	8300	pg / gram fat	U+/-	51%
2,3,4,4',5-Pentachlorobiphenyl (#114)	250	pg / gram fat	U+/-	32%
2,3',4,4',5-Pentachlorobiphenyl (#118)	25000	pg / gram fat	U+/-	44%
2,3',4,4',5'-Pentachlorobiphenyl (#123)	290	pg / gram fat	U+/-	36%
2,3,3',4,4',5-Hexachlorobiphenyl (#156)	3200	pg / gram fat	U+/-	36%
2,3,3',4,4',5'-Hexachlorobiphenyl (#157)	660	pg / gram fat	U+/-	37%
2,3',4,4',5,5'-Hexachlorobiphenyl (#167)	780	pg / gram fat	U+/-	35%
2,3,3',4,4',5,5'-Heptachlorobiphenyl (#189)	190	pg / gram fat	U+/-	37%

Recovery Dioxins/furans

2,3,7,8-Tetrachlorodibenzo-p-dioxin	26.9%
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	42%
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	40.3%
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	60.7%
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	43%
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	62.6%
Octachlorodibenzo-p-dioxin	21.2%
2,3,7,8-Tetrachlorodibenzofuran	30.2%
1,2,3,7,8-Pentachlorodibenzofuran	33.7%
2,3,4,7,8-Pentachlorodibenzofuran	39.9%
1,2,3,4,7,8-Hexachlorodibenzofuran	53.4%
1,2,3,6,7,8-Hexachlorodibenzofuran	40.8%
1,2,3,7,8,9-Hexachlorodibenzofuran	58%
2,3,4,6,7,8-Hexachlorodibenzofuran	61.9%
1,2,3,4,6,7,8-Heptachlorodibenzofuran	72.5%
1,2,3,4,7,8,9-Heptachlorodibenzofuran	53.3%
Octachlorodibenzofuran	33.8%

Recovery dl-PCBs

3,3',4,4'-Tetrachlorobiphenyl (#77)	28.5%
3,4,4',5-Tetrachlorobiphenyl (#81)	67.4%
3,3',4,4',5-Pentachlorobiphenyl (#126)	30.5%
3,3',4,4',5,5'-Hexachlorobiphenyl (#169)	51.4%
2,3,3',4,4'-Pentachlorobiphenyl (#105)	36.3%
2,3,4,4',5-Pentachlorobiphenyl (#114)	38.1%
2,3',4,4',5-Pentachlorobiphenyl (#118)	39.7%
2,3',4,4',5'-Pentachlorobiphenyl (#123)	33.7%
2,3,3',4,4',5-Hexachlorobiphenyl (#156)	44.5%
2,3,3',4,4',5'-Hexachlorobiphenyl (#157)	48.2%
2,3',4,4',5,5'-Hexachlorobiphenyl (#167)	42.6%
2,3,3',4,4',5,5'-Heptachlorobiphenyl (#189)	49%



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## Analysis report

### Client:

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Abel Arkenbout  
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8861 CP  
Harlingen  
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### Authorized by:

Emiel Felzel

### Date report (dd-mm-yyyy):

09-08-2021

### Responsible person BDS:

Emiel Felzel  
Head of Testing Laboratory

### Information about report

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For the analyses on dioxins/furans/dl-PCBs/ndl-PCB the sample is extracted with organic solvents (hexane); the extracts are cleaned on an acid silica column/alumina/florisil/carbon. For recovery calculation all 13C labeled congeners are added. The concentrations are determined by GC-MS/MS.

### Information about sample

BDS sample number	41032
Client identification	code TW-PIVRY21-egg-i09
Sample received on	30-07-2021
Start of test	02-08-2021
End of test	05-08-2021
Matrix	Food, egg(product)

### Test results:

#### WHO sum parameters (accredited under RvA L401)

WHO PCDD/F TEQ excl. LOQ 2005	0.0017	pg TEQ / gram fat	U+/-	24%
WHO PCDD/F TEQ incl. LOQ 2005	0.32	pg TEQ / gram fat	U+/-	24%
WHO dl-PCBs TEQ excl. LOQ 2005	0.00011	pg TEQ / gram fat	U+/-	24%
WHO dl-PCBs TEQ incl. LOQ 2005	0.014	pg TEQ / gram fat	U+/-	24%
WHO PCDD/F + dl-PCBs TEQ excl. LOQ 2005	0.0018	pg TEQ / gram fat	U+/-	23%
WHO PCDD/F + dl-PCBs TEQ incl. LOQ 2005	0.33	pg TEQ / gram fat	U+/-	23%

#### Dioxins/furans (accredited under RvA L401)

2,3,7,8-Tetrachlorodibenzo-p-dioxin	LOQ (<0.1)	pg / gram fat	U+/-	44%
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	LOQ (<0.1)	pg / gram fat	U+/-	31%
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	LOQ (<0.1)	pg / gram fat	U+/-	44%
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	LOQ (<0.1)	pg / gram fat	U+/-	46%
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	LOQ (<0.1)	pg / gram fat	U+/-	41%
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.17	pg / gram fat	U+/-	34%
Octachlorodibenzo-p-dioxin	LOQ (<1)	pg / gram fat	U+/-	49%
2,3,7,8-Tetrachlorodibenzofuran	LOQ (<0.1)	pg / gram fat	U+/-	27%
1,2,3,7,8-Pentachlorodibenzofuran	LOQ (<0.1)	pg / gram fat	U+/-	31%
2,3,4,7,8-Pentachlorodibenzofuran	LOQ (<0.1)	pg / gram fat	U+/-	29%
1,2,3,4,7,8-Hexachlorodibenzofuran	LOQ (<0.1)	pg / gram fat	U+/-	37%
1,2,3,6,7,8-Hexachlorodibenzofuran	LOQ (<0.1)	pg / gram fat	U+/-	25%
1,2,3,7,8,9-Hexachlorodibenzofuran	LOQ (<0.1)	pg / gram fat	U+/-	41%
2,3,4,6,7,8-Hexachlorodibenzofuran	LOQ (<0.1)	pg / gram fat	U+/-	32%
1,2,3,4,6,7,8-Heptachlorodibenzofuran	LOQ (<0.1)	pg / gram fat	U+/-	25%
1,2,3,4,7,8,9-Heptachlorodibenzofuran	LOQ (<0.1)	pg / gram fat	U+/-	28%
Octachlorodibenzofuran	LOQ (<0.1)	pg / gram fat	U+/-	37%

## dl-PCBs (accredited under RvA L401)

3,3',4,4'-Tetrachlorobiphenyl (#77)	LOQ (<1)	pg / gram fat	U+/-	39%
3,4,4',5-Tetrachlorobiphenyl (#81)	LOQ (<1)	pg / gram fat	U+/-	32%
3,3',4,4',5-Pentachlorobiphenyl (#126)	LOQ (<0.1)	pg / gram fat	U+/-	26%
3,3',4,4',5,5'-Hexachlorobiphenyl (#169)	LOQ (<0.1)	pg / gram fat	U+/-	53%
2,3,3',4,4'-Pentachlorobiphenyl (#105)	LOQ (<1)	pg / gram fat	U+/-	51%
2,3,4,4',5-Pentachlorobiphenyl (#114)	LOQ (<1)	pg / gram fat	U+/-	32%
2,3',4,4',5-Pentachlorobiphenyl (#118)	3.7	pg / gram fat	U+/-	44%
2,3',4,4',5'-Pentachlorobiphenyl (#123)	LOQ (<1)	pg / gram fat	U+/-	36%
2,3,3',4,4',5-Hexachlorobiphenyl (#156)	LOQ (<1)	pg / gram fat	U+/-	36%
2,3,3',4,4',5'-Hexachlorobiphenyl (#157)	LOQ (<1)	pg / gram fat	U+/-	37%
2,3',4,4',5,5'-Hexachlorobiphenyl (#167)	LOQ (<1)	pg / gram fat	U+/-	35%
2,3,3',4,4',5,5'-Heptachlorobiphenyl (#189)	LOQ (<1)	pg / gram fat	U+/-	37%