



European Union Reference Laboratory  
for Halogenated POPs in Feed and Food



State Institute for Chemical and Veterinary Analysis of Food, Freiburg, Germany

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**CERTIFICATE OF PARTICIPATION**

This is to certify that

**Laboratory for Trace Organic Analyses Cracow University of  
Technology**

(Poland)

Laboratory Code: **32**

has participated in

**EURL Proficiency Test on Determination of  
PCDD/Fs, PCBs, PBDEs and HBCDDs in Egg yolk powder 2019**

*EURL-PT-DPB\_1902-EY*

**September - November 2019**

reporting the following analytes:  
(applying physico-chemical methods)

	PCDD/Fs	DL-PCBs	Indicator PCBs	PBDEs	HBCDDs
Egg yolk powder (1902-EY)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Z-scores for sum parameters, scoring system**

Analyte	Egg yolk powder (1902-EY)	Assigned value [pg/g, ng/g fat]	Z-score
<b>PCDD/Fs, PCBs</b>	WHO-PCDD/F-PCB-TEQ ub	6.31	<b>-0.5</b>
	WHO-PCDD/F-TEQ ub	3.00	<b>-0.5</b>
	WHO-PCB-TEQ ub	3.30	<b>-0.5</b>
	Sum Indicator PCBs ub	48.4	<b>-0.9</b>
<b>PBDEs</b>	Sum of PBDE without BDE-209 ub	2.89	<b>-1.0</b>
	Sum of PBDE including BDE-209 ub	4.98	
<b>HBCDDs</b>	Sum of $\alpha$ -, $\beta$ -, $\gamma$ -HBCDD ub	no assigned value	
	Total HBCDD	no assigned value	
<b>Positive scoring system</b>	Successful participation		
<b>PCDD/Fs, PCBs</b>	<b>yes</b>		

Assigned values for WHO-PCDD/F-PCB-TEQ, WHO-PCDD/F-TEQ, WHO-PCB-TEQ and the sum of indicator PCBs are in the range of 0.5 to 4 times of the level of interest.

All results of this PT are available in the corresponding report V1.0 (EURL-PT-DPB\_1902-EY) of 12 of March 2020.

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Head of EURL for Halogenated POPs

