BT-11 Lipophilic Shellfish Toxins					
Year	**2021**	**Number of Rounds / Year**	**2**	**Number of Materials**	**3**
Distribution		**April, October** (40 laboratories expected)			
Participation fee		**€750,=**			

Introduction

This study covers the determination of lipophilic shellfish toxins in shellfish tissue test materials.

Test Materials

The supplied test materials can consist of standard solutions, shellfish tissues and shellfish tissue extracts sufficient for one-shot analysis. Each batch of test materials is prepared in bulk, dispensed in 5 mL plastic vials and frozen at -20˚C. The level of within and between sample homogeneity and stability is determined. All materials show to be homogeneous and stable for the purpose of the study.

Determinands and concentration ranges

The Toxins to be determined are given in the table below.
The table also shows the constant and proportional error that will be used for assessment of the results.

Determinand	Unit	Concentration range	Error		AA-EQS
			Const	Prop	
Free-Okadaic-Acid	µg/kg	0.5 - 500	0.1	12.5%	
Free-DTX1	µg/kg	0.2 - 500	0.1	12.5%	
Free-DTX2	µg/kg	0.5 - 1000	0.1	12.5%	
Total-Free-OA+DTX1+DTX2	µg OA eq./kg	0.5 - 1000	0.1	12.5%	
Total-Okadaic-Acid	µg/kg	0.5 – 500	0.1	12.5%	
Total-DTX1	µg/kg	0.5 – 1000	0.1	12.5%	
Total-DTX2	µg/kg	0.5 – 1000	0.1	12.5%	
Total-hy-OA+DTX1+DTX2	µg OA eq./kg	0.5 – 1000	0.1	12.5%	
PTX-1	µg/kg	0.5 – 20	0.1	12.5%	
PTX-2	µg/kg	0.5 - 50	0.1	12.5%	
Total OA group and PTX group	µg OA eq./kg	0.5 - 1000	0.1	12.5%	
AZA-1	µg/kg	0.5 - 1500	0.1	12.5%	
AZA-2	µg/kg	0.5 – 500	0.1	12.5%	
AZA-3	µg/kg	0.5 - 500	0.1	12.5%	
AZA-total	µg AZA eq./kg	0.5 - 5000	0.1	12.5%	
YTX	mg/kg	0.01 – 2	0.02	12.5%	
homo-YTX	mg/kg	0.5 – 5	0.02	12.5%	
45-OH-homo-YTX	mg/kg	0.5 – 5	0.02	12.5%	
45-OH-YTX	mg/kg	0.5 – 2	0.02	12.5%	
YTX-total	mg YTX eq./kg	0.01 – 10	0.02	12.5%	

*Only determinands in **bold** are in the scope of the accreditation.*