

BT-12 PSP 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 the paralytic shellfish toxins (PSP) in shellfish tissue test materials.

Test Materials

The supplied test materials consist of shellfish tissues sufficient for one-shot analysis. Each batch of test materials is prepared in bulk, dispensed in 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	
11-OH-STX	µmol/kg		0.1	12.5%	
C1	µmol/kg	0.01 - 0.5	0.1	12.5%	
C1,2	µmol/kg	0.01 - 1	0.1	12.5%	
C2	µmol/kg	0.01 - 0.5	0.1	12.5%	
C3	µmol/kg		0.1	12.5%	
C3,4	µmol/kg		0.1	12.5%	
C4	µmol/kg		0.1	12.5%	
dc-GTX1	µmol/kg		0.1	12.5%	
dc-GTX1,4	µmol/kg		0.1	12.5%	
dc-GTX2	µmol/kg	0.01 - 1	0.1	12.5%	
dc-GTX2,3	µmol/kg		0.1	12.5%	
dc-GTX3	µmol/kg		0.1	12.5%	
dc-GTX4	µmol/kg		0.1	12.5%	
dc-NEO	µmol/kg	0.01 - 2	0.1	12.5%	
dc-STX	µmol/kg	0.01 - 5	0.1	12.5%	
GTX-1	µmol/kg	0.01 - 1	0.1	12.5%	
GTX-2	µmol/kg	0.01 - 5	0.1	12.5%	
GTX-3	µmol/kg	0.01 - 2	0.1	12.5%	
GTX-4	µmol/kg	0.02 - 1	0.1	12.5%	
GTX-5	µmol/kg	0.05 - 1	0.1	12.5%	
GTX-6	µmol/kg		0.1	12.5%	
NEO	µmol/kg	0.02 - 1	0.1	12.5%	
STX	µmol/kg	0.05 - 5	0.1	12.5%	
Total toxicity	µgSTXdiHCl-eq/kg	50 - 3000	2	12.5%	
GTX-2,3	µmol/kg	0.05 - 10	0.1	12.5%	
GTX-1,4	µmol/kg	0.01 - 2	0.1	12.5%	

Results should be reported for as many of these determinands as possible. Take this opportunity either to develop your methodology or check your performance on the less common determinands.
Only determinands in **bold** are in the scope of the accreditation.