

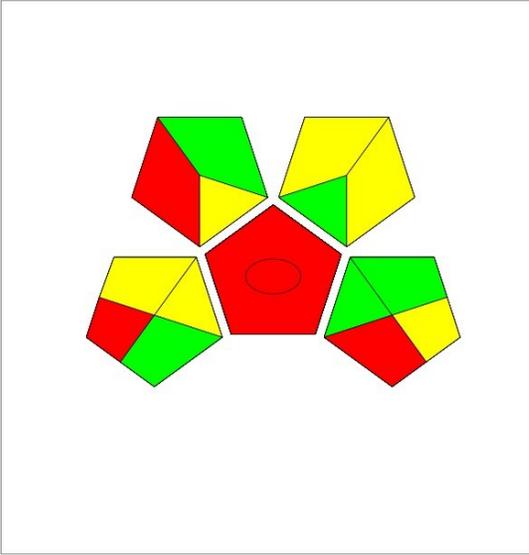
**Figure S1.** Effect of sample pH on the absorbance. Mean value  $\pm$  standard deviation of five replicates. All experimental parameters as given in Table 1.



**GDAŃSK UNIVERSITY  
OF TECHNOLOGY**

## ComplexGAPI

Green Analytical  
Procedure Index

SAMPLE PREPARATION AND ANALYSIS	PRE-ANALYSIS PROCESSES	
<b>Sample preparation</b>	<b>Yield and conditions</b>	
1. Collection:	I. Yield:	
2. Preservation:	II. Temperature/time:	
3. Transport:	<b>Relation to Green Economy</b>	
4. Storage:	III. Number of rules met:	
5. Type of method:	<b>Reagents and solvents</b>	
6. Scale of extraction:	IVa. Health hazard:	
7. Solvents/reagents used:	IVb. Safety hazard:	
8. Additional treatments:	<b>Instrumentation</b>	
<b>Reagents and solvents</b>	Va. Technical setup:	
9. Amount:	Vb. Energy:	
10. Health hazard:	Vc. Occupational hazard:	
11. Safety hazard:	<b>Workup and purification</b>	
<b>Instrumentation</b>	Via. End products workup, purification:	
12. Energy:	Vib. Purity:	
13. Occupational hazard:	<b>E-factor</b>	
14. Waste:	VII. E-factor input:	
15. Waste treatment:		
<b>Method type</b>		
Type of analysis:		

**Figure S2.** ComplexGAPI parameters for the LIS-LPME-FAAS method

1. Type of analysis	Quantitative and confirmatory ▼
2. Multi- or single-element analysis	Single Element ▼
3. Analytical technique	Simple instrumentation available in most labs (UV, HPLC-UV, HPLC-DAD, UHPLC, FAAS, ▼
4. Simultaneous sample preparation	1 ▼
5. Sample preparation	Miniaturized extraction sample preparation (SPME, DLLME, MEPS, SBSE, d-SPE, FPSE, ▼
6. Samples per h	>10 ▼
7. Reagents and materials	Common commercially available reagents (methanol, acetonitrile, HNO <sub>3</sub> , nitrogen or o ▼
8. Preconcentration	No preconcentration required. Required sensitivity and /or legislation criteria are met c ▼
9. Degree of automation	Fully automated with novel technology advanced devices (robotics, lab-in-syringe, etc.) ▼
10. Amount of sample	<100 µL (or mg) bioanalytical samples; <10 mL (or g) food/environmental ▼

**Figure S3.** BAGI parameters for the LIS-LPME-FAAS method