

IPE International Plant-analytical Exchange Programme	
Year: 2024	Participants: 170 laboratories expected
Number of rounds: 4 per year	Start exercise: 1 January, 1 April, 1 July, 1 October
Number of materials: 4 per round	Sample size: 20 g

[Participation form](#)
[Timetable](#)
[PT Scheme](#)
[Costs](#)

This study covers the determination of chemical analysis in plant materials. Participation is open to all laboratories.

## Determinands

Concentration ranges and constant and proportional errors are available in the determinand list in the participants website.

Determinand group	Determinand*
Inorganic Chemical Composition	Ag; <b>As</b> ; <b>B</b> ; <b>Ba</b> ; Be; Bi; Br; <b>Ca</b> ; <b>Cd</b> ; <b>Cl (as Cl)</b> ; <b>Co</b> ; <b>Cr</b> ; Cs; <b>Cu</b> ; F; <b>Fe</b> ; Ga; <b>Hg</b> ; I; <b>K</b> ; <b>Li</b> ; <b>Mg</b> ; <b>Mn</b> ; <b>Mo</b> ; <b>N-Kjeldahl (as N)</b> ; N-NH <sub>4</sub> (as N); N-NO <sub>3</sub> (as N); <b>Na</b> ; <b>Ni</b> ; <b>P (as P)</b> ; <b>Pb</b> ; Pd; Pt; Rb; Rh; <b>S (as S)</b> ; <b>Sb</b> ; <b>Se</b> ; Sn; SO <sub>4</sub> (as SO <sub>4</sub> ); <b>Sr</b> ; Ti; <b>V</b> ; <b>Zn</b> ;
Real totals	<b>Al</b> ; <b>C-elementary</b> ; <b>N-elementary</b> ; Si;
Acid extractable (So-called totals)	<b>Al</b> ; Si;
Other determinations	<b>delta 13C</b> ; <b>delta 15N</b> ;
Nutritional values	ADF-ash-free; <b>Crude fibre</b> ; NDF-ash-containing; NDF-ash-free; Polysaccharides (starch); <b>Total ash</b> ; Total Disaccharides; Total fat; Total monosaccharides;

\*Determinands not in bold are not in the scope of accreditation