

## PT 24: Mineral fertilizers

### Details of the program:

- Proficiency testing scheme created in 2016
- **100 registered laboratories from 38 countries**
- **PTS accredited by COFRAC**
- 7 rounds per annual series
- The time for analysis is 4 weeks
- Samples are shipped via express carrier around the 15<sup>th</sup> of the month.



### Schedule:

DATE	CODE	MATRIX	WEIGHT / VOLUME
October	0124	Liquid fertilizer	500 ml
November	3924	Basic mineral soil improver with fertilizer	500 g
December	4224	Organo-mineral fertilizer NPK	500 g
January	1924	NPK + SO <sub>3</sub>	500 g
February	2924	Natural phosphate	500 g
March	3024	Complex nitrogen fertilizer	500 g
April	3424	Mineral fertilizer	500 g

### ANALYTES The list of analytes below varies according to the nature of the sample

Magnesium (total and soluble), Calcium (total and soluble) Crome IV<sup>NA</sup>, Molybdenum<sup>NA</sup>, Neutralizing value, pH, solubility of limestones in saturated carbonic solution, Carbonate, Organic carbon<sup>NA</sup>,

Ammoniacal Nitrogen, Nitric Nitrogen, Ureic Nitrogen, Total nitrogen, Soluble nitrogen, Soluble nitrogen at 20°C but insoluble at 100°C<sup>NA</sup>

Moisture content,

Phosphorus (total and soluble), Soluble P<sub>2</sub>O<sub>5</sub>, Soluble Phosphate, Potassium (total and soluble), Sulfur (total and soluble), Sulfate (total and soluble),

Combustibles componants,

Boron (total and soluble), Copper (total and soluble), Iron (total, chelated and soluble), Manganese (total and soluble), Zinc (total and soluble), Cadmium, Chromium, Nickel, Mercury, Lead, Arsenic, Cobalt, Molybdenum (total and soluble), Sodium (total), Chlorides, Fluorine, Aluminum<sup>NA</sup>, Chlorine of chlorides

Density, Biuret,

Granularity

Hydrochloric Reactivity<sup>NA</sup>, Citric Reactivity<sup>NA</sup>



Note: Matrices and analytes may be changed or removed for technical or scientific reasons.  
Please refer to current application form available in your member area ([www.bipea.org](http://www.bipea.org)).