

## PT 24: Mineral fertilizers

### Details of the program:

- Proficiency testing scheme created in 2016
- 60 registered laboratories from 27 countries
- 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	400 g / 400 ml
November	3924	Basic mineral soil improver with fertilizer	400 g / 400 ml
December	4024	Nitrogen fertilizer	400 g / 400 ml
January	4124	Diammonium phosphate	400 g / 400 ml
February	0524	NPK + trace elements	400 g / 400 ml
March	3124	Organo-mineral fertilizer	400 g / 400 ml
April	2224	NPK + MgO + S	400 g / 400 ml

### ANALYTES

Magnesium (total and soluble), Calcium (total and soluble)  
 Neutralizing value, pH, solubility of limestones in saturated carbonic solution, Carbonate,  
 Ammoniacal Nitrogen, Nitric Nitrogene, Ureic Nitrogen, Total nitrogen, Nitrogen solubility,  
 Moisture content,  
 Phosphorus (total and soluble) 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,  
 Density, Biuret,  
  
 Granularity (4.0, 2.5, 2.0, 1.0, 0.630, 0.500, 0.315, 0.200, 0.160 mm)

*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)).*