

## PT 22: Silages

### Details of the program:

- Proficiency testing scheme created in 1984
- **37 registered laboratories from 17 countries**
- 4 rounds per annual series
- The time for analysis is 6 weeks
- Samples are shipped via express carrier.



### Schedule:

DATE	CODE	MATRIX	WEIGHT
October	0122	Corn silage*	1500 g **
December	0122	Corn silage*	1500 g **
February	0322	Sorghum silage*	1500 g **
April	0222	Grass silage*	1500 g **

\* Frozen samples

\*\* *In case of dry silage (DM > 35%), the sample mass is at least 600 g; a maceration protocol is available via the online form.*

### ANALYTES

Ammoniacal nitrogen

Crude fiber

Dry matter

Lactic acid

pH

Residual moisture content

Raw ashes

Raw fat content

Soluble nitrogen

Starch

Total nitrogenous matter

Total phosphorus

Calcium, Magnesium, Copper, Iron, Zinc

**Van Soest Parietal components:** NDF, ADF, ADL

**Alcohols:** methanol, ethanol, N-butanol, N-propanol

**Pepsine cellulalase digestibility :** cellulase digestibility of dry and organic matter

Digestibility forecast and energy value

Nitrogenous value.

**Volatile fatty acids:** acetic acid, isobutyric acid, isovalerianic acid, N-valerianic acid, N-butyric acid, propionic acid.

*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)).*