

Flash BMP®

Innovative measurement of the methane potential (BMP)* of your waste in 2 days



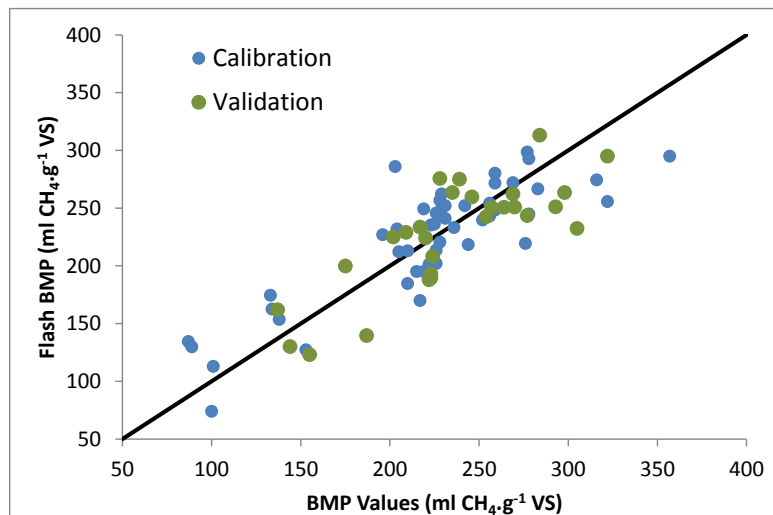
BENEFITS OF THE FLASH BMP® SOLUTION

- ▶ **TIME SAVING:** a measurement in 2 days, 30 days for the classical BMP test
- ▶ **REPRESENTATIVITY:** larger sampling, therefore more representative of your waste
- ▶ **ACCURACY:** the estimation of the BMP value comes from a large database using validated models

APPLIED TO
MUNICIPAL SOLID WASTE

PRINCIPLE OF THE FLASH BMP® SOLUTION

- ▶ **RELIABLE TECHNOLOGY:** the optical measurement by near infrared spectroscopy (NIR) is a technology used for decades for fast and non-invasive measurement of organic products.
- ▶ **PERFORMING MODELS:** the estimation of the BMP value is performed using models developed in partnership with leading public research institutes (LBE-INRA, Cemagref, EMA).



- **Measurement error: 15%** (in validation)
- **+/- 30 ml CH₄.g⁻¹ VS** (with 95% confidence)
- **R² = 0.7**

Lesteur, M., Latrille, E., Bellon-Maurel, V., Roger, J.M., Gonzalez, C., Junqua, G., Steyer, J.P., 2011. First step towards a fast analytical method for the determination of Biochemical Methane Potential of solid wastes by near infrared spectroscopy. *Bioresource Technology*, 102(3), 2280-2288.

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* Biochemical Methane Potential

ADEME: French Environment and Energy Management Agency