

NTEP Certification



For LFC Biodigesters

About the LFC Biodigesters

The LFC biodigesters use a series of aerobic processes in which microorganisms break down food waste into water. They can digest from 10 kg to 6000 kg (20 lb to 13,200 lb) of waste per day. The machines weigh the amount of waste that is ingested and report that graphically and numerically on the color touch screen and on the LFC Cloud.

Companies rely on these measurements of the weight of food waste in their sustainability reports. This is because the waste is diverted from landfills and significantly reduces the carbon footprint of the organization.

Before a company can use the information about the weights of food waste, they need assurance that the weights being reported are accurate.

About NTEP

The NTEP (National Type Evaluation Program) is administered through the National Conference on Weights and Measures (NCWM). They rely on Handbook 44 created by the National Institute of Standards and Technology (NIST), which itself is part of the US Department of Commerce.



NTEP requires a company to submit prototype weighing devices for evaluation to determine whether or not it meets the uncertainties which are related to measurement tolerances associated with the intended final use in the marketplace.

All devices sold in the United States for "legal for trade" purposes must pass these evaluations.

About the LFC NTEP Certification

The LFC-50 to LFC-1000 range of biodigesters meets or exceeds Class III, 0.1 kg to 1 kg or 0.2 lb to 5 lb division accuracy (depending on LFC model) requirements in accordance with the NIST Handbook 44. A Certificate of Conformance Number 23-087 was issued under the National Type Evaluation Program (NTEP) of the National Conference on Weights and Measures.



Features

A company can legitimately state how much food waste they have diverted from landfills without any viable challenge to the data. Without NTEP certification, the data being reported is suspect and therefore the NTEP certification is critical to any organization that makes such a declaration.

- LFC biodigester machine (hardware and software) and LFC Cloud are certified
- Data is visible on color touch screen and on LFC Cloud
- Modification of calibration data is protected by a password and is recorded

Benefits

- Provides businesses with accurate and reliable weighing of their food waste
- Ensures compliance with regulations
- Prevents fraud
- Builds consumer confidence



Power Knot LLC | 47613 Warm Springs Blvd | Fremont, CA 94539 USA | +1-408-889-8433 | info@powerknot.com | www.powerknot.com

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