**Low Nutrient Compost Specification “C” from Naturcycle LLC**

1. **Soil Amendments – Compost**

**Compost is** the product manufactured through the controlled aerobic, biological decomposition of biodegradable materials. The product has undergone mesophilic and thermophilic temperatures, which significantly reduces the viability of pathogens and weed seeds, and stabilizes the carbon such that it is beneficial to plant growth. Compost should meet or exceed all requirements to distribute in the state in which it is produced, as well as come from a facility that is registered and/or permitted by the appropriate state regulatory agency.

**Required Ranges Test Test Method\*\* Units**

< 4.00% Total N TMECC 04.02-D % Dry Weight Basis

< 2.00% Total P TMECC 04.03-A % Dry Weight Basis

6.5 to 8.0 pH TMECC 04.11-A pH

< 2.00 Soluble Salts TMECC 04.10-A dS/m (mmhos/cm)

20 - 65% Moisture Content TMECC 03.09-A % Wet Weight Basis

20 - 55% Organic Matter Content TMECC 05.07-A % Dry Weight Basis

Percent Emergence:

> 85% Maturity TMECC 05.05-A % Relative to Positive Control

Vigor:

> 90% Maturity TMECC 05.05-A % Relative to Positive Control

“Stable or Very Stable” Stability TMECC 05.08-B mg CO2-C/g OM per day

> 80% Particle Size^^ TMECC 02.02-B % Dry Weight Basis

Pass Pathogen TMECC 07.01-B Pass/Fail

Pass Trace Metals TMECC 04.06 Pass/Fail

< 0.50% Foreign Material TMECC 03.08-A % by Weight

*Recommended Additional Test for Phosphorus Runoff Potential*

800 Water Extractable Phosphorus *See below+* ppm, Dry Weight Basis

\*\*All methods are from the Test Methods for the Evaluation of Compost and Composting (TMECC).

^^Particle size is based on passing a 9.5mm screen roughly 3/8” (95% plus passing is common).

+ As conducted by Pennsylvania State University Agricultural Analytics Laboratory

Per Water Extractable Phosphorus, 1:100 (solids:water) extraction. The reference method is, Kleinman, P., D. Sullivan, A. Wolf, R. Brandt, Z. Dou, H. Elliott, J. Kovar, A. Leytem, R. Maguire, P. Moore, L. Saporito, A. Sharpley, A. Shober, T. Sims, J. Toth, G. Toor, H. Zhang, T. Zhang. 2007. Selection of a water extractable phosphorus test for manures and biosolids as an indicator of runoff loss potential. J. Environ. Qual. 36: 1357-1367

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**Standard of Compost Quality:**

1. Standard of quality shall be Naturcycle Compost™as distributed by:

Naturcycle, LLC, PO Box 97, Plainville, NY 13137

www.naturcycle.com or (315) 707-8955

Or Architect/Engineer approved equal.

1. Approved compost must demonstrate involvement in the US Composting Seal of Testing Assurance (STA) Program via a certified independent analysis as provided by a laboratory participating in the STA Program. A recent (within 90 days of project start) STA Technical Data Sheet is required to be submitted prior to shipment of compost.

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**END**