



Analysis Report For:				Copy To:		
Ed Holmes Borough of State College 330 Osmond Street State College PA 16801						
LAB ID:	SAMPLE ID:	REPORT DATE:	SAMPLE TYPE:	FEEDSTOCKS	COMPOSTING METHOD	COUNTY
C04803	Food Waste 2	1/25/2011				Centre

COMPOST ANALYSIS REPORT

Compost Test 2A

Analyte	Results (As is basis)	Results (Dry weight basis)
pH	7.7	—
Soluble Salts (1:5 w:w)	3.06 mmhos/cm	—
Solids	43.2 %	—
Moisture	56.8 %	—
Organic Matter	28.6 %	66.2 %
Total Nitrogen (N)	0.9 %	2.0 %
Organic Nitrogen ¹	0.9 %	2.0 %
Ammonium N (NH ₄ -N)	46.7 mg/kg <i>or</i> 0.0047 %	108.1 mg/kg <i>or</i> 0.0108 %
Carbon (C)	17.6 %	40.7 %
Carbon:Nitrogen (C:N) Ratio	20.00	20.00
Phosphorus (as P ₂ O ₅) ²	0.22 %	0.52 %
Potassium (as K ₂ O) ²	0.38 %	0.89 %
Calcium (Ca)	2.60 %	6.00 %
Magnesium (Mg)	0.22 %	0.50 %
Sulfur (S)	0.09 %	0.22 %
Sodium (Na)	411 mg/kg	950 mg/kg
Aluminum (Al)	1123 mg/kg	2598 mg/kg
Iron (Fe)	2108 mg/kg	4967 mg/kg
Manganese (Mn)	460 mg/kg	1064 mg/kg

¹See comments on back of report.

²To convert phosphorus as (P₂O₅) into elemental phosphorus (P), divide by 2.29. To convert potassium as (K₂O) into elemental potassium (K), divide by 1.20.



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COMPOST ANALYSIS REPORT

EPA 503 Pollutants

Analyte	Results (As is Basis)	Results (Dry Weight Basis)	EPA SW 846 Method
Arsenic (As)	1.4 mg/kg	3.3 mg/kg	3050B + 6010
Cadmium (Cd)	1.5 mg/kg	3.5 mg/kg	3050B + 6010
Copper (Cu)	11.5 mg/kg	26.7 mg/kg	3050B + 6010
Lead (Pb)	4.1 mg/kg	9.5 mg/kg	3050B + 6010
Mercury (Hg)	0.02 mg/kg	0.05 mg/kg	7473
Molybdenum (Mo)	< 0.6 mg/kg	< 1.5 mg/kg	3050B + 6010
Nickel (Ni)	2.5 mg/kg	5.8 mg/kg	3050B + 6010
Selenium (Se)	< 0.6 mg/kg	< 1.5 mg/kg	3050B + 6010
Zinc (Zn)	33.6 mg/kg	77.6 mg/kg	3050B + 6010