

January 1, 2019

Compost Customer
 1527 1st Ave.
 Greeley, CO 80631

Laboratory No. E19499-12

Sample ID: Complete Compost Sample

| | AR | DMB | AR (lbs/ton) | Test Method (TMECC) |
|---|--------|---------|--------------|----------------------|
| Moisture (%) | 20.2 | NA | 404 | 03-09-A |
| Total Solids (%) | 79.8 | 100 | 1596 | 03-09-A |
| Nitrogen (%TKN) | 0.45 | 0.57 | 9 | 04-02-A _m |
| Phosphorus (% P ₂ O ₅) | 0.59 | 0.74 | 12 | AOAC 965.17 |
| Potassium (% K ₂ O) | 0.93 | 1.16 | 19 | 04-13-B |
| Organic Matter (%) | 11.7 | 14.61 | 233 | 05-07-A LOI |
| Nitrate-N (ppm*) | 189.1 | 237.00 | 0.38 | 04-02B colorimetric |
| Sodium (%) | 0.3 | 0.3 | 5 | 04-13-B |
| Calcium (%) | 1.2 | 1.5 | 23 | 04-13-B |
| Magnesium (%) | 0.7 | 0.9 | 14 | 04-13-B |
| Chloride (%) | 0.34 | 0.42 | 7 | 04-05-CI ISE |
| Copper (ppm) | 45.9 | 57.6 | 0.09 | 04-13-B |
| Zinc (ppm) | 123.7 | 155.0 | 0.25 | 04-13-B |
| Iron (ppm) | 9550.8 | 11970.0 | 19.10 | 04-13-B |
| Manganese (ppm) | 126.3 | 158.3 | 0.25 | 04-13-B |
| pH (1:5 w/w) (SI) | 8.28 | | | 04-11-A |
| Salts (1:5 w/w) (mS/cm) | 4.84 | | | (mmhos/cm) 04-10-A |
| C/N Ratio** | 12.9 | | | 05-02** |
| C/N Ratio*** | 14.4 | | | 05-02*** |
| Agricultural Index | 3.4 | | | 05-02-F |
| %N Mineralized | 4.2 | | | NO ₃ /TKN |

*Available metal or nutrient (extracted)

**Larney, et al Can. J. Soil Sci. 2004, 85, 261-264

*** van Bemmelen, Landwirtschaftliche Versuch Station. 1891, 37, 279-290.

m) TKN performed in a macro-KJ apparatus, ammonia determination is colorimetric

AOAC 965.17 is a colorimetric procedure using molybdovanadate reagent

Total metals (TMECC digestion 04-12-C) and nutrients (unless noted)

AR=As Received; DMB=Dry Matter Basis; NA=Not Applicable