

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

Account #: **Product Identification** Compost
7060575- RR004 061317 BIOCOMP
1/1-2355

Group: Jun17C #21

Reporting Date: June 28, 2017

A-1 Organics - Colorado
16350 WCR 76
Eaton, CO 80615
Attn: Chris Skelton

Date Received: 14 Jun. 17
Sample Identification: RR004 061317 BIOCOMP
Sample ID #: 7060575 - 1/1

| Nutrients | Dry wt. | As Rcvd. | units | Stability Indicator: | Biologically |
|---|---------|----------|----------|--|--------------------------|
| Total Nitrogen: | 0.85 | 0.60 | % | CO2 Evolution | Respirometry Available C |
| Ammonia (NH ₄ -N): | 540 | 380 | mg/kg | mg CO ₂ -C/g OM/day | 1.1 1.7 |
| Nitrate (NO ₃ -N): | 470 | 330 | mg/kg | mg CO ₂ -C/g TS/day | 0.28 0.42 |
| Org. Nitrogen (Org.-N): | 0.75 | 0.53 | % | Stability Rating | very stable very stable |
| Phosphorus (as P ₂ O ₅): | 0.67 | 0.47 | % | Maturity Indicator: Cucum er Bioassay | |
| Phosphorus (P): | 3000 | 2100 | mg/kg | Compost:Vermiculite(v:v) | 1:2 |
| Potassium (as K ₂ O): | 0.30 | 0.21 | % | Emergence (%) | 100 |
| Potassium (K): | 2500 | 1700 | mg/kg | Seedling Vigor (%) | 102 |
| Calcium (Ca): | 0.71 | 0.50 | % | Description of Plants | healthy |
| Magnesium (Mg): | 0.15 | 0.11 | % | Pathogens | Results Units Rating |
| Sulfate (SO ₄ -S): | 750 | 520 | mg/kg | Fecal Coliform | 810 MPN/g pass |
| Boron (Total B): | 15 | 11 | mg/kg | Salmonella | < 3 MPN/4g pass |
| Moisture: | 0 | 29.9 | % | Date Tested: 14 Jun. 17 | |
| Sodium (Na): | 0.060 | 0.042 | % | Inerts | % by weight |
| Chloride (Cl): | 0.052 | 0.036 | % | Plastic | < 0.5 |
| pH Value: | NA | 6.60 | unit | Glass < 0.5 Metal | < 0.5 |
| Bulk Density : | 36 | 51 | lb/cu ft | Sharps | ND |
| Carbonates (CaCO ₃): | 2.9 | 2.0 | lb/ton | | |
| Conductivity (EC5): | 2.9 | NA | mmhos/cm | | |
| Organic Matter: | 25.0 | 17.5 | % | | |
| Organic Carbon: | 12.0 | 8.2 | % | | |
| Ash: | 75.0 | 52.6 | % | | |
| C/N Ratio | 14 | 14 | ratio | | |
| AgIndex | > 10 | > 10 | ratio | | |

| Metals | Dry wt. | EPA Limit | units |
|------------------|---------|-----------|-------|
| Aluminum (Al): | 4400 | - | mg/kg |
| Arsenic (As): | 1.9 | 41 | mg/kg |
| Cadmium (Cd): | < 1.0 | 39 | mg/kg |
| Chromium (Cr): | 11 | 1200 | mg/kg |
| Cobalt (Co) | 1.7 | - | mg/kg |
| Copper (Cu): | 43 | 1500 | mg/kg |
| Iron (Fe): | 6400 | - | mg/kg |
| Lead (Pb): | 4.5 | 300 | mg/kg |
| Manganese (Mn): | 150 | - | mg/kg |
| Mercury (Hg): | < 1.0 | 17 | mg/kg |
| Molybdenum (Mo): | 2.3 | 75 | mg/kg |
| Nickel (Ni): | 6.4 | 420 | mg/kg |
| Selenium (Se): | 1.1 | 36 | mg/kg |
| Zinc (Zn): | 84 | 2800 | mg/kg |

| Size Distribution | |
|--------------------------|-------------|
| MM | % by weight |
| > 50 | 0.0 |
| 25 to 50 | 0.0 |
| 16 to 25 | 0.0 |
| 9.5 to 16 | 0.1 |
| 6.3 to 9.5 | 3.1 |
| 4.0 to 6.3 | 6.2 |
| 2.0 to 4.0 | 10.2 |
| < 2.0 | 80.4 |

Analyst: Assaf Sadeh



*Sample was received and handled in accordance with TMECC procedures.