

Manure Compost Analysis Report

Complete Compost/Manure Analysis, Escherichia Coli Test, Salmonella spp Isolation, Total Coliforms



Report Ref#: CN-38505

| | | | | | |
|-----------------|-------------------------|-------------|------------------------|----------------|-------------|
| Customer: | Themar Chem Ltd | Fertilizer: | Manure/compost | Date Received: | 20-Feb-20 |
| Address: | aziz.telecomm@gmail.com | Crop Stage: | | Analysis Date: | 26-Feb-20 |
| Farm Name: | Ahmed Abdelaziz | Comments: | | Report Date: | 28-Feb-20 |
| Contact Person: | Abdelaziz Ahmed | Condition: | Dry Organic Fertilizer | Sample ID: | CT241CM0001 |

Field: Cocoly

History (Last 3 analysis)

| Parameter | Unit | Result | Guide Low | Guide High | Low | Optimum | High | Symbol | Current | Method |
|------------------|--------|--------|-----------|------------|-----|---------|------|----------|---------|----------------|
| pH | | 4.21 | 6.00 | 8.50 | | | | pH | 4.21 | Potentiometric |
| EC (Salts) | mS/cm | 251 | 0.75 | 1.50 | | | | EC(S) | 251 | Potentiometric |
| Dry matter | % | 97.0 | | < 60.0 | | | | DM | 97.0 | Gravimetric |
| Carbon | % | 47.1 | 13.0 | 60.0 | | | | C | 47.1 | Ignition |
| Total Nitrogen | % | 17.0 | 0.80 | 1.50 | | | | N | 17.0 | Colorimetric |
| Phosphorus | % | 1.22 | 0.20 | 0.75 | | | | P | 1.22 | Spectroscopy |
| Potassium | % | 4.49 | 0.40 | 2.00 | | | | K | 4.49 | Spectroscopy |
| Calcium | % | < 0.05 | 0.60 | 1.50 | | | | Ca | < 0.05 | Spectroscopy |
| Magnesium | % | 0.053 | 0.20 | 0.80 | | | | Mg | 0.053 | Spectroscopy |
| Sulphur | % | 22.0 | 0.20 | 0.50 | | | | S | 22.0 | Spectroscopy |
| Manganese | ppm | 8.18 | 200 | 800 | | | | Mn | 8.18 | Spectroscopy |
| Iron | ppm | 73.6 | | | | | | Fe | 73.6 | Spectroscopy |
| Zinc | ppm | 0.093 | 40.0 | 1000 | | | | Zn | 0.093 | Spectroscopy |
| Copper | ppm | 0.87 | 8.00 | 400 | | | | Cu | 0.87 | Spectroscopy |
| Boron | ppm | 14.3 | 20.0 | 140 | | | | B | 14.3 | Spectroscopy |
| Sodium | ppm | 2070 | | < 3000 | | | | Na | 2070 | Spectroscopy |
| C/N ratio | | 2.78 | 10.0 | 20.0 | | | | C:N | 2.78 | Calculated |
| ~Salmonella ssp | in 25g | ND | | ND | | | | Salmonel | ND | |
| ~E. Coli | cfu/g | ND | | < 1000 | | | | Ecoli | ND | |
| ~Total Coliforms | cfu/g | ND | | | | | | TC | ND | |

ND = Not Detectable ; "<" : the result is below the limit of detection.

NUTRIENT CONTRIBUTION PER TON

| N | P | K | Ca | S | Mg |
|-------|-------|-------|-------|-------|-------|
| kg/Ha | kg/Ha | kg/Ha | kg/Ha | kg/Ha | kg/Ha |
| 49.47 | 3.55 | 13.07 | 0.15 | 64.02 | 0.15 |

NOTES:

Nutrient Contribution & Fertilizer Deductions

These figures estimate the quantity of nutrients supplied per 1000 kg (1 ton) of this manure/compost applied each hectare of land. The calculation takes into account the material dry matter %, the nutrient content % result above, and an estimated nutrient release of 30% to the first crop.

Jo Gakobo
Lab Manager

Cordingley Jeremy
Managing Director

Approval Date: 02/03/2020

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