

Liquid Compost Extract Report

Compost Liquid Extract



Report Ref#: CN-115856


| | | | | | |
|-----------------|--------------------------|-------------|--------------|----------------|-------------|
| Customer: | Biogas International Ltd | Fertilizer: | Compost Tea | Date Received: | 15-Dec-21 |
| Address: | Box 43 Njoro | Crop Stage: | | Analysis Date: | 15-Dec-21 |
| Site Name: | Biogas International Ltd | Comments: | | Report Date: | 22-Dec-21 |
| Contact Person: | Omondi | Condition: | Brown Liquid | Sample ID: | CB069LC0005 |

Field: Anaerobic Human Waste Digester

History (Last 3 analysis)

| Parameter | Unit | Result | Guide Low | Guide High | Low | Optimum | High | Symbol | Current | Method |
|-------------------------|-------|--------|-----------|------------|-----|---------|------|--------|---------|--------|
| pH | | 8.55 | 6.00 | 8.00 | | | | pH | 8.55 | |
| Electrical Conductivity | mS/cm | 8.07 | | < 1.20 | | | | EC | 8.07 | |
| Phosphorus | ppm | 23.8 | | < 70.0 | | | | P | 23.8 | |
| Potassium | ppm | 390 | | < 2000 | | | | K | 390 | |
| Calcium | ppm | 76.3 | | < 200 | | | | Ca | 76.3 | |
| Magnesium | ppm | 9.90 | | < 80.0 | | | | Mg | 9.90 | |
| Sulphur | ppm | 50.6 | | < 140 | | | | S | 50.6 | |
| Manganese | ppm | 0.14 | | < 4.00 | | | | Mn | 0.14 | |
| Iron | ppm | 0.26 | | < 10.0 | | | | Fe | 0.26 | |
| Zinc | ppm | 0.049 | | < 0.80 | | | | Zn | 0.049 | |
| Copper | ppm | < 0.01 | | < 0.15 | | | | Cu | < 0.01 | |
| Boron | ppm | 0.15 | | < 2.00 | | | | B | 0.15 | |
| Sodium | ppm | 321 | | < 300 | | | | Na | 321 | |
| Silicon | ppm | 35.4 | | < 50.0 | | | | Si | 35.4 | |
| Molybdenum | ppm | < 0.01 | | < 0.20 | | | | Mo | < 0.01 | |
| Chloride | ppm | 507 | | | | | | Cl | 507 | |
| Bicarbonate | ppm | 5100 | | | | | | HCO3 | 5100 | |
| Ammonium | ppm | 883 | | < 50.0 | | | | NH4 | 883 | |
| Nitrate N | ppm | 32.5 | | < 20.0 | | | | NO3N | 32.5 | |

"<": the result is below the limit of detection.

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| | Jo Gakobo Lab Manager Approval Date: 22/12/2021 |  Cordingley Jeremy Managing Director Approval Date: 22/12/2021 |
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| Address: | Box 43 Njoro | Crop Stage: | | Analysis Date: | 15-Dec-21 |
| Site Name: | Biogas International Ltd | Comments: | | Report Date: | 22-Dec-21 |
| Contact Person: | Omondi | Condition: | Brown Liquid | Sample ID: | CB069LC0006 |

Field: Market Waste Digester

History (Last 3 analysis)

| Parameter | Unit | Result | Guide Low | Guide High | Low | Optimum | High | Symbol | Current | | | | Method |
|-------------------------|-------|--------|-----------|------------|-----|---------|------|--------|---------|--|--|--|--------|
| pH | | 7.16 | 6.00 | 8.00 | | | | pH | 7.16 | | | | |
| Electrical Conductivity | mS/cm | 3.81 | | < 1.20 | | | | EC | 3.81 | | | | |
| Phosphorus | ppm | 18.6 | | < 70.0 | | | | P | 18.6 | | | | |
| Potassium | ppm | 903 | | < 2000 | | | | K | 903 | | | | |
| Calcium | ppm | 78.0 | | < 200 | | | | Ca | 78.0 | | | | |
| Magnesium | ppm | 55.9 | | < 80.0 | | | | Mg | 55.9 | | | | |
| Sulphur | ppm | 0.39 | | < 140 | | | | S | 0.39 | | | | |
| Manganese | ppm | 0.65 | | < 4.00 | | | | Mn | 0.65 | | | | |
| Iron | ppm | 0.50 | | < 10.0 | | | | Fe | 0.50 | | | | |
| Zinc | ppm | < 0.01 | | < 0.80 | | | | Zn | < 0.01 | | | | |
| Copper | ppm | < 0.01 | | < 0.15 | | | | Cu | < 0.01 | | | | |
| Boron | ppm | 0.63 | | < 2.00 | | | | B | 0.63 | | | | |
| Sodium | ppm | 38.9 | | < 300 | | | | Na | 38.9 | | | | |
| Silicon | ppm | 30.5 | | < 50.0 | | | | Si | 30.5 | | | | |
| Molybdenum | ppm | < 0.01 | | < 0.20 | | | | Mo | < 0.01 | | | | |
| Chloride | ppm | 142 | | | | | | Cl | 142 | | | | |
| Bicarbonate | ppm | 2180 | | | | | | HCO3 | 2180 | | | | |
| Ammonium | ppm | 41.6 | | < 50.0 | | | | NH4 | 41.6 | | | | |
| Nitrate N | ppm | 12.1 | | < 20.0 | | | | NO3N | 12.1 | | | | |

"<": the result is below the limit of detection.

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| | Jo Gakobo Lab Manager Approval Date: 22/12/2021 |  Cordingley Jeremy Managing Director Approval Date: 22/12/2021 |
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