

US COMPOSTING COUNCIL

Seal of Testing Assurance

OCRRA
 100 Elwood Davis Road
 North Syracuse NY 13212
 Tel: 315-295-0734
 Fax: 315-453-2872

Product Name: Amboy 1/2 Screened Compost

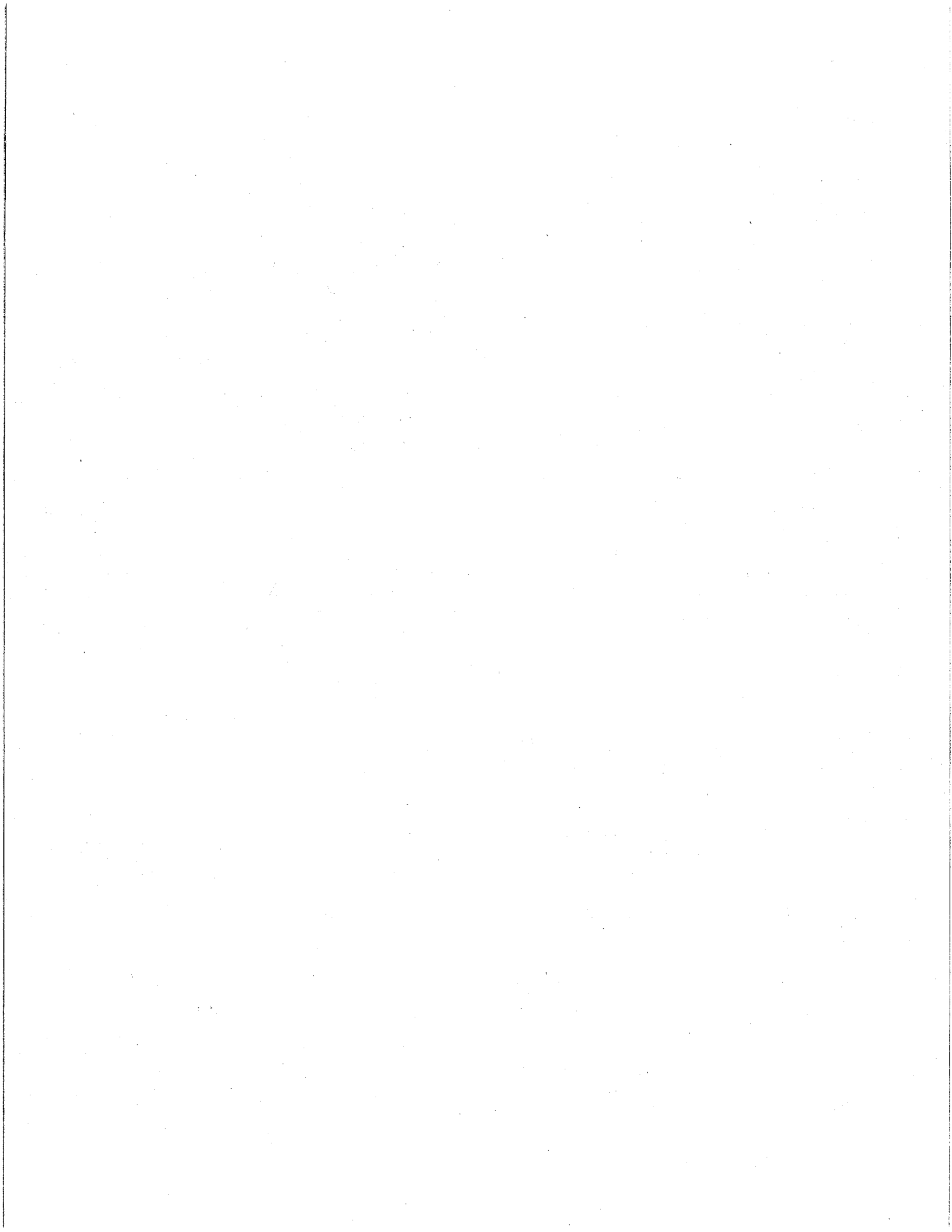
Lab ID: C07879

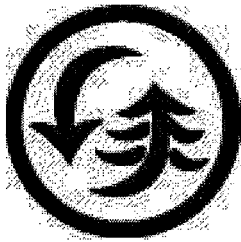
Report Date: 6/9/2015

Compost Technical Data Sheet

| <i>Compost Parameters</i> | <i>Reported as (units of measure)</i> | <i>Test Results</i> | <i>Test Results</i> |
|--|---|--|---------------------------|
| <i>Plant Nutrients:</i> | <i>%, weight basis</i> | <i>% wet weight basis</i> | <i>% dry weight basis</i> |
| Nitrogen | Total N | 0.73 | 1.29 |
| Phosphorus | P ₂ O ₅ | 0.29 | 0.51 |
| Potassium | K ₂ O | 0.42 | 0.74 |
| Calcium | Ca | 5.25 | 9.27 |
| Magnesium | Mg | 0.45 | 0.80 |
| Moisture Content | %, wet weight basis | 43.33 | |
| Organic Matter Content | %, dry weight basis | 47.68 | |
| pH | unitless | 7.89 | |
| Soluble Salts <i>(electrical conductivity)</i> | dS/m (mmhos/cm) | 2.88 | |
| Particle Size | < 9.5 mm | 98.51 | |
| Stability Indicator <i>(respirometry)</i> CO ₂ Evolution | mg CO ₂ -C/G TS/day, AND mg CO ₂ -C/G OM/day | 1.91 4.09 | |
| Maturity Indicator <i>(bioassay)</i> Percent Emergence, AND Percent Seedling Vigor | % of control % | 100.00 100.00 | |
| Select Pathogens | PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.32(a) | | |
| Trace Metals | PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.13, Tables 1 and 3 | PASS: As, Cd, Cu, Pb, Hg, Mo, Ni, Se, and Zn are less than limits specified by US EPA Class A Standard 40 CFR § 503.13, Tables 1 and 3 | |

Participants in the US Composting Council's Seal of Testing Assurance Program have shown the commitment to test their compost products on a prescribed basis and provide this data, along with compost end use instructions, as a means to better serve the needs of their compost customers.





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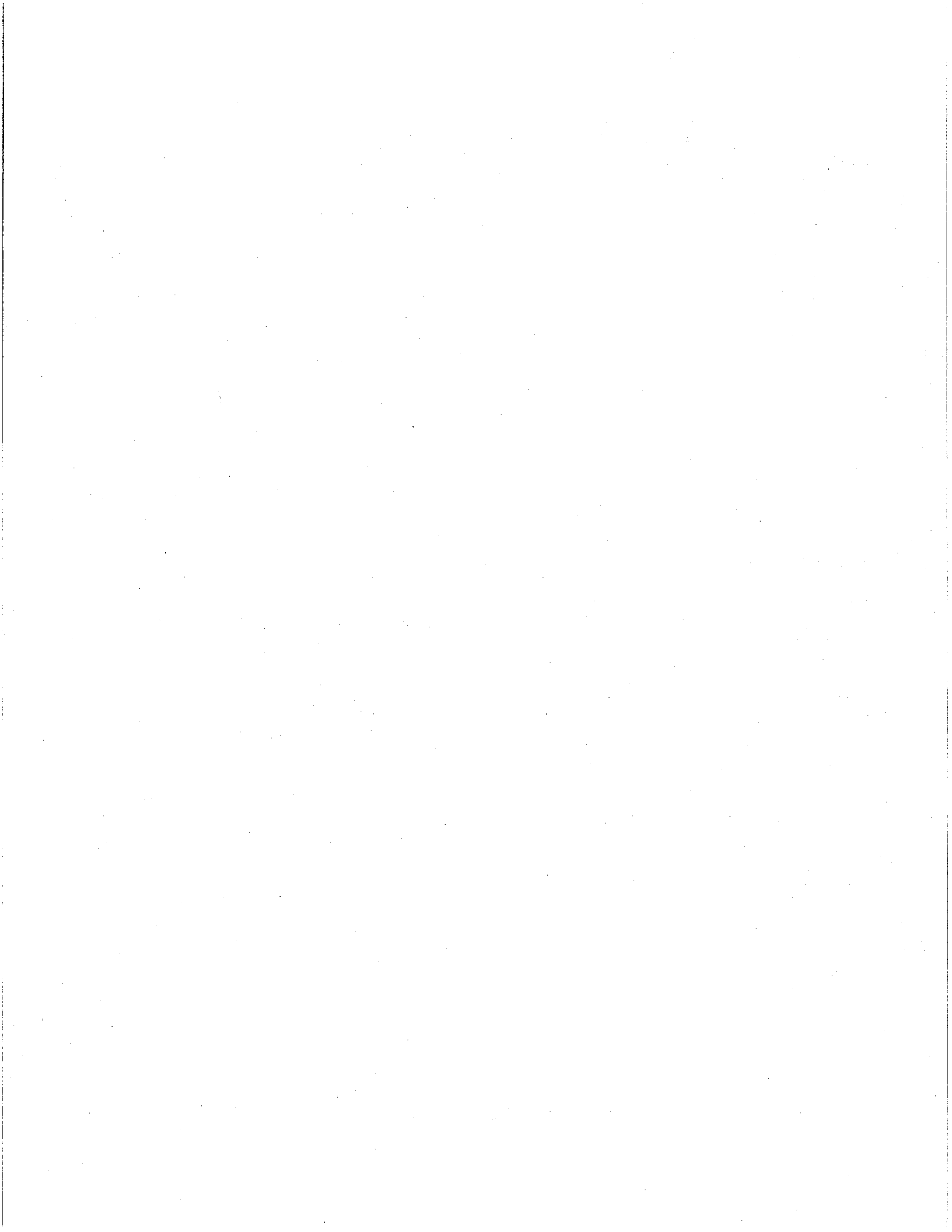
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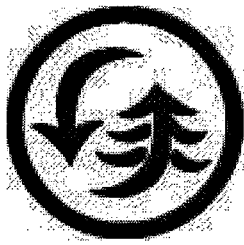
Report Date: 6/9/2015

Compost Technical Data Sheet

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|--|---|--|
| Plant Nutrients: | | Not reported |
| Moisture Content | %, wet weight basis | 43.33 |
| Organic Matter Content | %, dry weight basis | 47.68 |
| pH | unitless | 7.89 |
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| Particle Size | < 9.5 mm | 98.51 |
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100 Elwood Davis Road
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Tel: 315-295-0734

Fax: 315-453-2872

Product Name: Amboy 1/4 Premium Compost

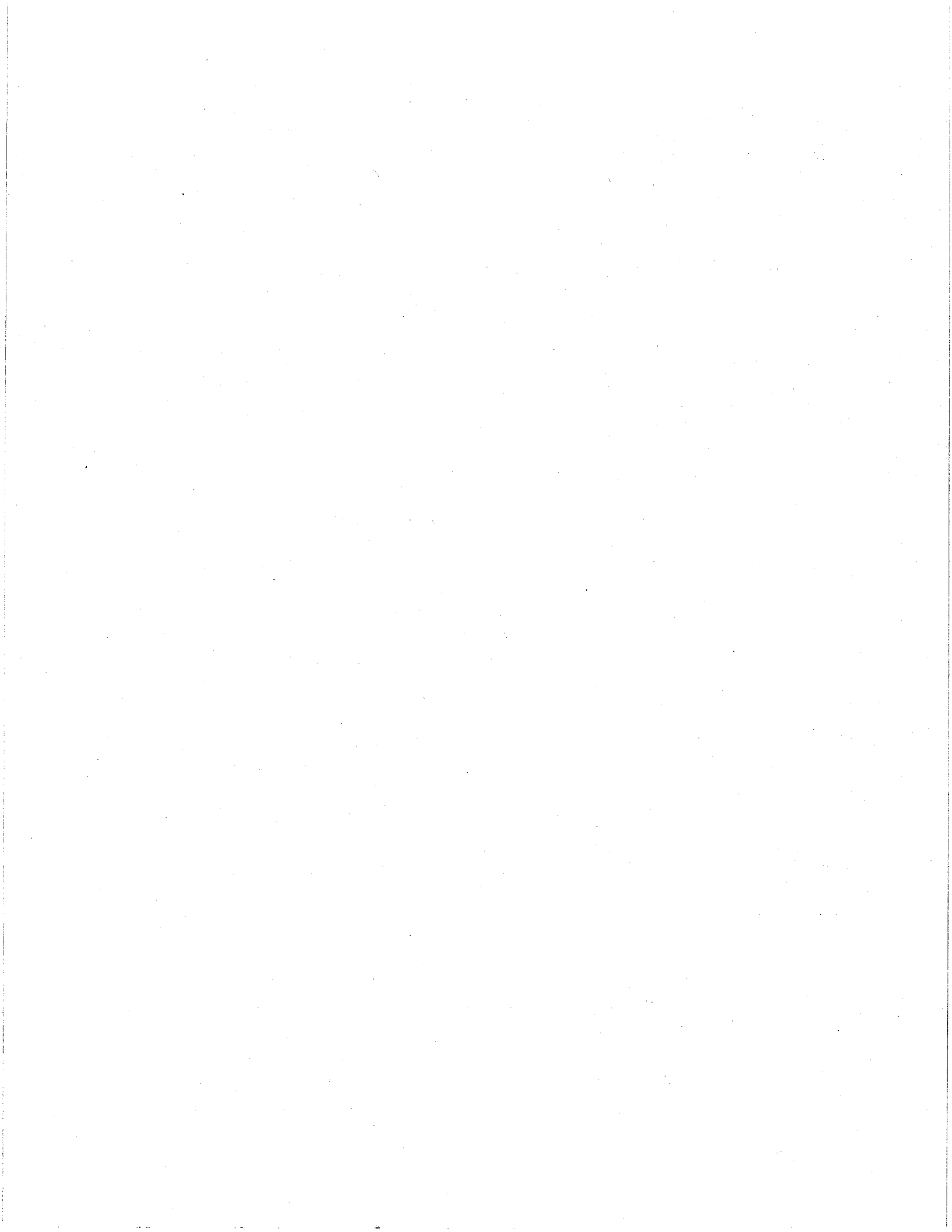
Lab ID: C07880

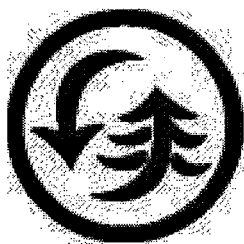
Report Date: 6/9/2015

Compost Technical Data Sheet

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|--|---|--|---------------------------|
| <i>Plant Nutrients:</i> | <i>%, weight basis</i> | <i>% wet weight basis</i> | <i>% dry weight basis</i> |
| Nitrogen | Total N | 1.40 | 2.00 |
| Phosphorus | P ₂ O ₅ | 0.44 | 0.62 |
| Potassium | K ₂ O | 0.58 | 0.83 |
| Calcium | Ca | 4.38 | 6.23 |
| Magnesium | Mg | 0.58 | 0.83 |
| Moisture Content | %, wet weight basis | 29.67 | |
| Organic Matter Content | %, dry weight basis | 44.09 | |
| pH | unitless | 8.36 | |
| Soluble Salts <i>(electrical conductivity)</i> | dS/m (mmhos/cm) | 3.78 | |
| Particle Size | < 9.5 mm | 100.00 | |
| Stability Indicator <i>(respirometry)</i> CO ₂ Evolution | mg CO ₂ -C/G TS/day, AND mg CO ₂ -C/G OM/day | 1.07 2.36 | |
| Maturity Indicator <i>(bioassay)</i> Percent Emergence, AND Percent Seedling Vigor | % of control % | 100.00 100.00 | |
| Select Pathogens | PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.32(a) | | |
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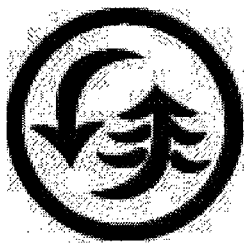
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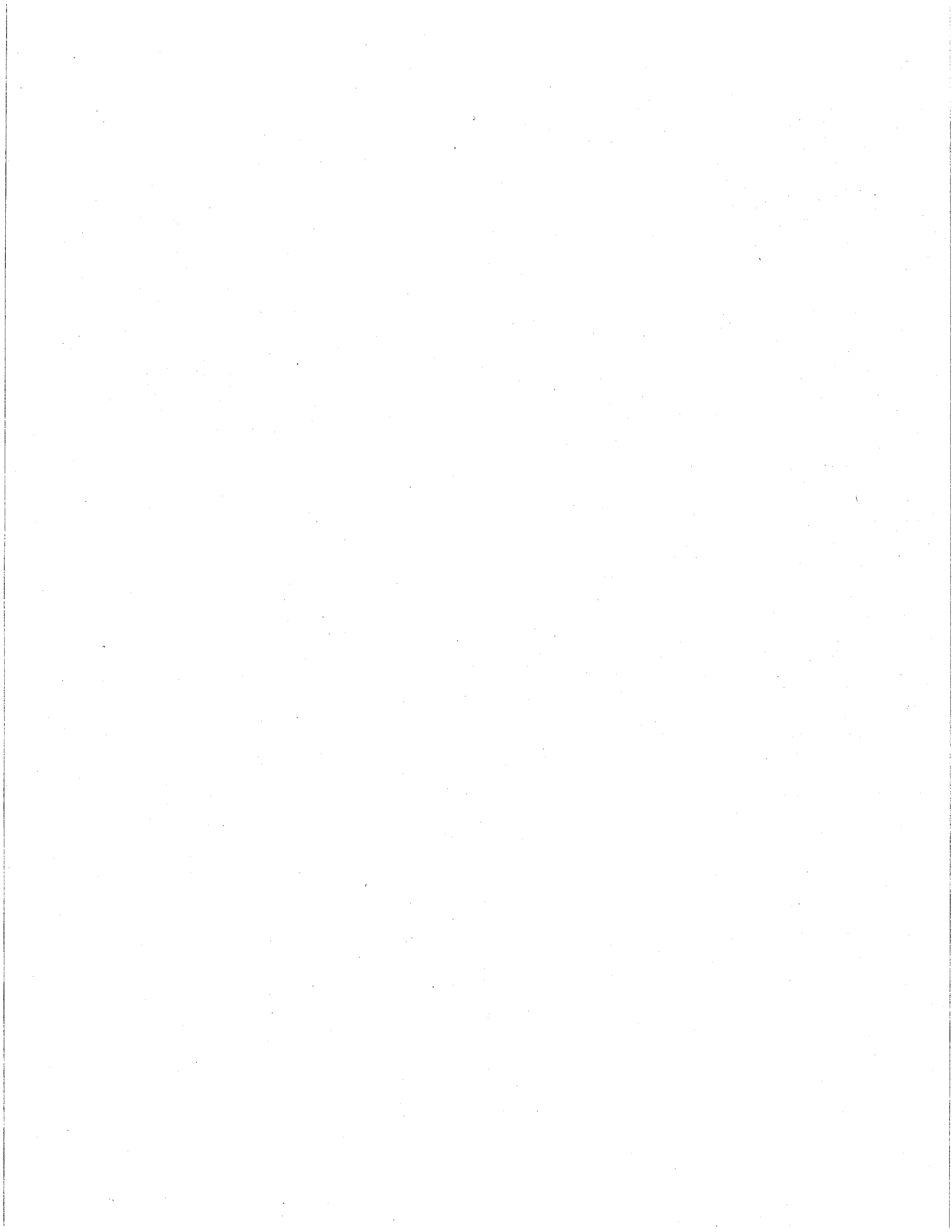
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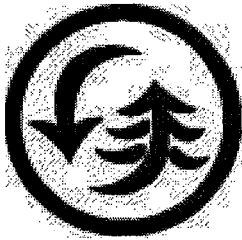
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| Nitrogen | Total N | 0.74 | 1.31 |
| Phosphorus | P ₂ O ₅ | 0.24 | 0.42 |
| Potassium | K ₂ O | 0.42 | 0.74 |
| Calcium | Ca | 3.79 | 6.69 |
| Magnesium | Mg | 0.50 | 0.88 |
| Moisture Content | %, wet weight basis | 43.36 | |
| Organic Matter Content | %, dry weight basis | 35.83 | |
| pH | unitless | 7.95 | |
| Soluble Salts <i>(electrical conductivity)</i> | dS/m (mmhos/cm) | 1.95 | |
| Particle Size | < 9.5 mm | 97.88 | |
| Stability Indicator <i>(respirometry)</i> CO ₂ Evolution | mg CO ₂ -C/G TS/day, AND mg CO ₂ -C/G OM/day | 1.26 3.00 | |
| Maturity Indicator <i>(bioassay)</i> Percent Emergence, AND Percent Seedling Vigor | % of control % | 100.00 100.00 | |
| Select Pathogens | PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.32(a) | | |
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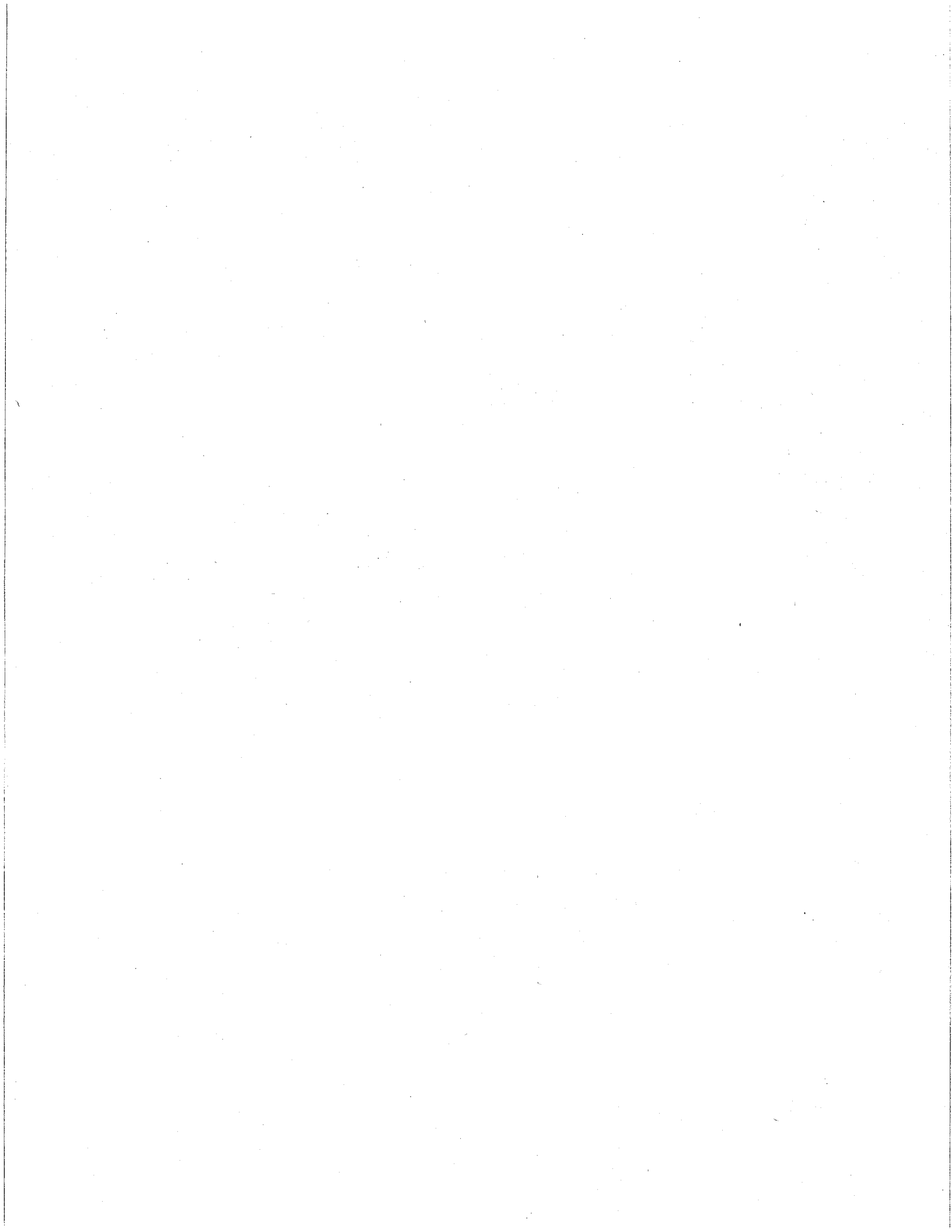
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-- LABORATORY ANALYSIS REPORT --

O.C.R.R.A. North Syracuse, NY

Sample ID: Amboy 1/2" Screen **LSL Sample ID:** 1506768-001

Location:

Sampled: 05/19/15 8:05 **Sampled By:**

Sample Matrix: SHW Dry Wt, Compost

| Analytical Method | Prep Method | Prep Date | Analysis Date & Time | Analyst Initials |
|--|----------------|-----------|----------------------|------------------|
| Analyte | Result Units | | | |
| (1) Modified SM 2540 B-97,-11 Total Solids | | | | |
| Total Solids @ 103-105 C | 58 % | | 5/19/15 | MM |
| <i>The NYS DOH ELAP does not offer certification for this method in this matrix.</i> | | | | |
| (1) Std. Methods 18th 9260D Salmonella MPN | | | | |
| Salmonella | <3 MPN/4gr Dry | | 5/19/15 11:10 | HMG |

Sample ID: Amboy 1/4" Screen **LSL Sample ID:** 1506768-002

Location:

Sampled: 05/19/15 7:50 **Sampled By:**

Sample Matrix: SHW Dry Wt, Compost

| Analytical Method | Prep Method | Prep Date | Analysis Date & Time | Analyst Initials |
|--|----------------|-----------|----------------------|------------------|
| Analyte | Result Units | | | |
| (1) Modified SM 2540 B-97,-11 Total Solids | | | | |
| Total Solids @ 103-105 C | 73 % | | 5/19/15 | MM |
| <i>The NYS DOH ELAP does not offer certification for this method in this matrix.</i> | | | | |
| (1) Std. Methods 18th 9260D Salmonella MPN | | | | |
| Salmonella | <3 MPN/4gr Dry | | 5/19/15 11:10 | HMG |

Sample ID: Jamesville 1/2" Screen **LSL Sample ID:** 1506768-003

Location:

Sampled: 05/19/15 9:15 **Sampled By:**

Sample Matrix: SHW Dry Wt, Compost

| Analytical Method | Prep Method | Prep Date | Analysis Date & Time | Analyst Initials |
|--|----------------|-----------|----------------------|------------------|
| Analyte | Result Units | | | |
| (1) Modified SM 2540 B-97,-11 Total Solids | | | | |
| Total Solids @ 103-105 C | 57 % | | 5/19/15 | MM |
| <i>The NYS DOH ELAP does not offer certification for this method in this matrix.</i> | | | | |
| (1) Std. Methods 18th 9260D Salmonella MPN | | | | |
| Salmonella | <3 MPN/4gr Dry | | 5/19/15 11:10 | HMG |

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes

LSL**Life Science Laboratories, Inc.**

Greg Gelewski
 O.C.R.R.A.
 100 Elwood Davis Road
 North Syracuse, NY 13212

Phone: (315) 453-2866
 FAX: (315) 453-2872
 Authorization: PO# 9135

Laboratory Analysis Report**For****O.C.R.R.A.**

Client Project ID:

Compost Samples "Salmonella"LSL Project ID: **1506768**

Receive Date/Time: 05/19/15 9:50

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody and the Shipment Condition documents submitted with these samples are considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

Life Science Laboratories, Inc.

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 5854 Butternut Drive
 East Syracuse, NY 13057
 Tel. (315) 445-1900
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LSL North Lab
 131 St. Lawrence Avenue
 Waddington, NY 13694
 Tel. (315) 388-4476
 Fax (315) 388-4061

LSL Finger Lakes Lab
 16 N. Main St., PO Box 424
 Wayland, NY 14572
 Tel. (585) 728-3320
 Fax (585) 728-2711

LSL Southern Tier Office
 Cuba, NY
 Tel. (585) 209-4032

LSL MidLakes Office
 Canandaigua, NY
 Tel. (585) 728-3320

This report was reviewed by:



Date:

5/25/15

Hugh Guider, Director of Client Services

A copy of this report was sent to:

Page 1 of 2

Date Printed:

5/22/15



MATERIAL SAFETY DATA SHEET

ISSUE DATE: 1 January 2011
Update with Lab Data: 9 June 2015
(Based on Quarterly Product Analysis)

IDENTIFICATION

PRODUCT: COMPOST / MULCH

Hazardous substance. Non-Dangerous Goods

PRODUCT DETAILS

| | | |
|-------------------------------|---|---------------|
| Product Name: | <u>OCRRA Premium Compost and Mulch</u> | |
| Other Names: | As Above | |
| UN Number: | | Not allocated |
| Hazchem Code: | | Not allocated |
| Dangerous Goods Class: | | Not allocated |
| Poison Schedule: | Not allocated | |
| Use: | Landscaping and general horticultural purpose | |

PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------------|---|
| Appearance: | Dark brown and black blend of organic materials |
| Odour: | Non specific "Earthy" odour |
| Boiling Point: | Not applicable |
| Melting Point: | Not applicable |
| Vapour Pressure: | Not applicable |
| Flashpoint: | Not applicable |
| PH: | 7.0-8.5 |

CONTACT DETAILS

| | |
|------------------------|--|
| Supplier Name: | Onondaga County Resource Recovery Agency |
| Office Address: | 100 Elwood Davis Rd. North Syracuse NY 13212 |
| Office Phone: | (315)453-2866 |
| Office Fax: | (315)453-2872 |
| Office Email: | ocrra@ocrra.org |

HEALTH WARNING

This product contains Micro-organisms
Avoid breathing dust or mists - wear particulate mask if dusty
Wear gloves and keep product moist when handling
Wash hands immediately after use
Read detailed health warning

HEALTH HAZARD INFORMATION

Acute Health Effects

Swallowed: Unlikely under normal conditions. Swallowing compost and mulches may cause abdominal discomfort and increase the risk of gastro-intestinal infections.

Eye: The dust and/or mist (bioaerosols) may be irritating to the eyes resulting in redness and watering, or eye infection.

Skin: Skin contact with these products and their dusts and/or mists (bioaerosols) may result in skin irritation and in some people may lead to skin sensitisation, dermatitis or skin infection.

Inhaled: Inhalation of dust and/or mists (bioaerosols) may irritate, inflame or sensitise the nose, throat and lungs, and aggravate pre-existing conditions such as asthma and bronchitis

Chronic health effects

Repeated inhalation of dust/or mist (bioaerosols) from these products may result in respiratory irritation, inflammation or sensitisation resulting in illnesses including hay fever.

FIRST AID

Swallowed: Give water to drink. Seek medical attention if any abdominal symptoms.

Eye: Flush eyes thoroughly for ten minutes with plenty of water. If irritation persists seek medical attention.

Skin: Wash thoroughly with mild soap and water.

Inhaled: Remove to fresh air.

First-aid facilities: Eye wash station, running water, soap and sink.

Advice to Doctor: Treat symptomatically.

FIRE FIGHTING

Product Flammability:

Non-flammable

Type of extinguisher:

Water or Class A extinguisher

Hazards from combustion:

No information available

Hazchem Code:

Not applicable

PRECAUTIONS FOR USE

Exposure standards

Work Exposure Standard: There is no specific standard for compost, mulches and other organic gardening materials.

Recommendation: Keep exposure to dust and/or mist (bioaerosols) from these products as low as practicable.

Engineering controls: All work with these products should be carried out in such a way as to avoid skin contact and minimize exposure to dust and/or mist (bioaerosols).

Respiratory protection: Avoid breathing dust and/or mist (bioaerosols). Wear an approved P1 or P2 respirator suitable for respirable particulates and conforming to OSHA standards when exposed to dust and/or mist (bioaerosols). These Standards should be followed in the selection, fit-testing, use, storage and maintenance of the respirators.

Skin protection: Wear standard duty gloves, loose comfortable clothing, and boots. Long-sleeved shirts and long trousers and recommended if skin irritation occurs. Wash skin with mild soap and water immediately after working with these materials. Launder work clothes regularly.

HANDLING & STORAGE

Precautions for safe handling: Avoid contact with eyes and skin. Avoid breathing dust and/or liquid mists (bioaerosols). Wash thoroughly immediately after handling. Wash work clothes regularly. Clean up by wet sweeping or vacuuming.

Conditions for safe storage: Store in a cool, dry place out of direct sunlight. Keep away from food, drink and animal feeding stuffs. Partly used bags should be closed well

TRANSPORT

Precautions for Transportation: Trucks to use tarpaulin to cover the load (for bulk deliveries)

DISPOSAL

Disposal Methods: There are no set standards for disposal; dispose of in accordance with local authority and regulatory guidelines. Clean up by sweeping, washing or vacuuming; use wet sweeping to avoid dust dispersal.

ACCIDENTAL RELEASE

Emergency Procedures: Ensure adequate ventilation, avoid dust. Use personal protective equipment. Prevent product from entering drains or waterways. Do not contaminate surface water with particulates or solids.

Containment & Cleanup: Vacuum, shovel or sweep up and collect in containers for disposal.

DETAILED HEATH WARNING

HAZARDOUS

COMPOST MULCHES AND OTHER ORGANIC GARDENING MATERIALS

This product is made from organic materials, including composts and mulches, and contains living micro-organisms, including bacteria, fungi and protozoa. Products may also contain minerals and organic nutrients.

RISK: Inhalation of dust and/or liquid mists may irritate, inflame or sensitise the nose, throat and lungs resulting in illnesses ranging from hay fever or asthma, to pneumonia (eg Legionnaire's disease) or pneumonia-like illnesses. Direct contact with this material or its dust and/or liquid mists (bioaerosols) may cause skin irritation (dermatitis), and skin or eye infection or irritation. People particularly at risk are those suffering from asthma or allergies, and those whose immune defense systems are compromised.

SAFETY: Avoid contact with eyes and skin. Avoid breathing dust and/or liquid mists (bioaerosols). Wear suitable protective clothing and standard duty gloves. If exposed to dust and/or liquid mists, also wear dust resistant eye protection and particulate respirator. Wash thoroughly immediately after handling. Wash work clothes regularly.

FIRST AID: Irrigate eyes with plenty of water for 10 minutes. Wash skin with soap and water. Seek medical attention for any persistent skin, eye or respiratory symptoms.

MANUFACTURER: Onondaga County Resource Recovery Agency

For further information on this product contact OCRRA at ocrra@ocrra.org or via phone at (315)453-2866