

26-128-4130REPORT DATE
May 08, 2026
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May 01, 2026SEND TO
60893**PAGE 1/4**ISSUE DATE
May 08, 2026

VERMITECHNOLOGY UNLIMITED INC
Kim Portillo Moreno
PO BOX 2107
MONROE NC 28112

REPORT OF ANALYSIS

For: (60893) VERMITECHNOLOGY UNLIMITED INC
 Boomers Blend Worm Castings

Analysis	Level Found	Reporting			Analyst- Date	Verified- Date
	As Received	Units	Limit	Method		
Sample ID: Boomers Blend Worm Castings Lab Number: 70796012 Date Sampled: 2026-04-27 0900						
Nitrogen (total)	0.44	%	0.01	AOAC 993.13 (mod)	krq0-2026/05/05	eas2-2026/05/05
Phosphate (P2O5)	< 0.10	%	0.10	MWL ME PROC 26	Auto-2026/05/07	eas2-2026/05/07
Potash (K2O)	0.12	%	0.05	MWL ME PROC 26	Auto-2026/05/07	eas2-2026/05/07
Boron (total)	< 100	ppm	100	MWL ME PROC 26	Auto-2026/05/06	eas2-2026/05/07
Sulfur (total)	0.26	%	0.05	MWL ME PROC 26	Auto-2026/05/06	eas2-2026/05/07
Magnesium (total)	0.20	%	0.01	MWL ME PROC 26	Auto-2026/05/06	eas2-2026/05/07
Sodium (total)	0.03	%	0.01	MWL ME PROC 26	Auto-2026/05/06	eas2-2026/05/07
Iron (total)	8880	ppm	50.0	MWL ME PROC 26	Auto-2026/05/06	eas2-2026/05/07
Calcium (total)	2.01	%	0.01	MWL ME PROC 26	Auto-2026/05/06	eas2-2026/05/07
Manganese (total)	116	ppm	20.0	MWL ME PROC 26	Auto-2026/05/06	eas2-2026/05/07
Arsenic (total)	< 10.0	mg/kg	10.0	EPA 6010	erw9-2026/05/04	trh1-2026/05/08
Cadmium (total)	0.69	mg/kg	0.20	EPA 6010	erw9-2026/05/04	trh1-2026/05/08
Cobalt (total)	2.27	mg/kg	1.00	EPA 6010	erw9-2026/05/04	trh1-2026/05/08
Copper (total)	8.6	mg/kg	1	EPA 6010	erw9-2026/05/04	trh1-2026/05/08
Lead (total)	6.8	mg/kg	5.0	EPA 6010	erw9-2026/05/04	trh1-2026/05/08
Mercury (total)	< 0.05	mg/kg	0.05	EPA 7471	Mab7-2026/05/07	trh1-2026/05/08
Molybdenum (total)	4.0	mg/kg	1.0	EPA 6010	erw9-2026/05/04	trh1-2026/05/08
Nickel (total)	6.4	mg/kg	1.0	EPA 6010	erw9-2026/05/04	trh1-2026/05/08
Selenium (total)	< 10.0	mg/kg	10.0	EPA 6010	erw9-2026/05/04	trh1-2026/05/08

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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6089313611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770
www.midwestlabs.com**PAGE 2/4**ISSUE DATE
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VERMITECHNOLOGY UNLIMITED INC
Kim Portillo Moreno
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MONROE NC 28112

REPORT OF ANALYSIS

For: (60893) VERMITECHNOLOGY UNLIMITED INC
 Boomers Blend Worm Castings

Analysis	Level Found	Units	Reporting		Analyst- Date	Verified- Date
	As Received		Limit	Method		
Sample ID: Boomers Blend Worm Castings	Lab Number: 70796012 (con't)					
Zinc (total)	29.1	mg/kg	10.0	EPA 6010	erw9-2026/05/06	trh1-2026/05/08
pH	7.00	S.U.	0.01	EPA 9045	dsn7-2026/05/04	eas2-2026/05/05
Humic acid	0.55	%	0.10	Calif HA4/JC (rev. 2:3-11-09)	jed2-2026/05/08	eas2-2026/05/08
Aerobic plate count	160000	cfu/g	10	FDA BAM Chapter 3	Djl4-2026/05/04	jzh4-2026/05/04
Anaerobic plate count	390000	cfu/g	10	MEF Chapters 6 & 23	Djl4-2026/05/04	jzh4-2026/05/04

Sample(s) was prepared for EPA 6010 analysis by EPA 3050b.

All results are reported on an AS RECEIVED basis, cfu = colony forming unit , ppm = parts per million, ppm = mg/kg, ppm = mg/L

For questions please contact:

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 Account Manager
 cparsons@midwestlabs.com (402)829-9850

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REPORT OF ANALYSIS

For: (60893) VERMITECHNOLOGY UNLIMITED INC
Boomers Blend Worm Castings

Detailed Method Description(s)**ME 042**

Analysis follows MWL ME 042 which is based on EPA 6010, Inductively Coupled Plasma (ICP). A light emission technique where prepared samples are injected into a high energy plasma that forces the elements in the injected sample to emit light energies which are proportional to the level of minerals and metals present. The light is then detected and correlated to the levels of minerals and metals in the original sample.

Total Carbon and Nitrogen

The sample is combusted in a pure oxygen environment within a furnace, converting carbon to CO₂ and nitrogen to N₂. The resulting gas is analyzed using infrared absorption for carbon and thermal conductivity for nitrogen, quantifying the total carbon and nitrogen content.

ICP Analysis Fertilizers AOAC 985.01 (mod)

Analysis follows MWL ME 026, which is based on AOAC 985.01. Prepared sample extracts are analyzed by inductively coupled plasma-optical emission spectrometry (ICP-OES). The extract is nebulized and introduced into a high-temperature plasma, where the dissolved elements are excited. As the excited atoms return to their ground state, they emit element-specific wavelengths of light. The emitted wavelengths and their intensities are measured and used for identification and quantitation of elements of interest in the sample.

ME 067

Samples are analyzed for mercury using MWL ME 067 which is based upon EPA 7471, cold vapor atomic absorption (CVAA).

Samples are prepared via MWL ME 037 that uses a series of digestion steps involving hot mineral acids and oxidizers so as to destroy organic matter and solubilize mercury. The mercury is reduced by use of stannous chloride to elemental mercury that is then aerated to the light path of a mercury light of an atomic absorption spectrometer (AAS). The absorption of the mercury light at 253.7 nm is then correlated to the level of mercury present in the original sample.

pH METER

Analysis follows MWL WC 061 which is based on EPA 9045. The sample is mixed with water and the pH of the resulting aqueous solution is measured.

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Boomers Blend Worm Castings

Humic Acid

Sample analysis follows MWL WC 059 which is based the California HA4/JC(revision 2: 3-11-09 procedure. Samples are dissolved by treatment with 1 N sodium hydroxide and then precipitated with hydrochloric acid. The resultant precipitate is dried and weighed and the result posted in %.

Aerobic Plate Count FDA Chapter 3

Sample analysis follows MWL MI 291 which is based on FDA BAM Chapter 3. A representative sample is obtained and combined with phosphate buffer. Aliquots of the sample are placed on sterile petri dishes, 12-15 mL of Plate Count agar is added, swirled, and solidified. Air Monitoring Plates received from clients will go directly to incubation. The plates are incubated for 48 hours. After incubation, the colonies found on the plates are counted and the levels reported as colony forming units (cfu).

Anaerobic Plate Count

Samples are analyzed following MWL MI 299 which is based on Microbial Examination of Foods Chapters 6 and 24. Samples are obtained and added to phosphate buffer. Aliquots of the sample are placed on sterile petri dishes, 12-15 mL of LVA agar is added, swirled, and solidified. The plates are placed in an anaerobic chamber and incubated for 48 hours. After plates are incubated, the colonies found on the plates are counted and the levels reported as colony forming units (cfu).

AOAC 957.02 (P2O5 preparation)

Samples are treated with hydrochloric acid and nitric acid on a hot plate to destroy organic material and dissolve phosphate.

Fertilizer Prep AOAC 2017.02 (mod)

Analysis follows MWL WC 056 which is based on AOAC 2017.02 (mod). Samples are prepared using hydrochloric acid, nitric acid, and heat to break down the sample matrix and solubilize the elements of interest.

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