





13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121 • www.midwestlabs.com

Lab #	Report of Analysis		Report Number: 24-039-4052																																																																																																																																																		
Account: 72634	Jon Kent Sanctuary Farms 3171 Lakeview St Detroit MI 48215-2477		 Robert Ferris Account Manager 402-829-9871																																																																																																																																																		
Date Sampled: Date Received: Sample ID:	2024-01-19 2024-01-26 STA COMPOST COUNCIL PACKAGE																																																																																																																																																				
			STA COMPOST 5227114																																																																																																																																																		
Total content, lbs per ton (as rec'd)																																																																																																																																																					
<table border="1"> <thead> <tr> <th></th> <th></th> <th>Analysis (as rec'd)</th> <th>Analysis (dry weight)</th> <th></th> </tr> </thead> <tbody> <tr> <td colspan="5">NUTRIENTS</td> </tr> <tr> <td colspan="5">Nitrogen</td> </tr> <tr> <td>Total Nitrogen</td> <td>%</td> <td>0.42</td> <td>1.22</td> <td>8.4</td> </tr> <tr> <td>Organic Nitrogen</td> <td>%</td> <td>0.41</td> <td>1.21</td> <td>8.3</td> </tr> <tr> <td>Ammonium Nitrogen</td> <td>%</td> <td>0.006</td> <td>0.017</td> <td>0.1</td> </tr> <tr> <td>Nitrate Nitrogen</td> <td>%</td> <td>< 0.01</td> <td>----</td> <td>----</td> </tr> <tr> <td colspan="5">Major and Secondary Nutrients</td> </tr> <tr> <td>Phosphorus</td> <td>%</td> <td>0.10</td> <td>0.29</td> <td>2.0</td> </tr> <tr> <td>Phosphorus as P2O5</td> <td>%</td> <td>0.23</td> <td>0.67</td> <td>4.6</td> </tr> <tr> <td>Potassium</td> <td>%</td> <td>0.38</td> <td>1.11</td> <td>7.6</td> </tr> <tr> <td>Potassium as K2O</td> <td>%</td> <td>0.46</td> <td>1.34</td> <td>9.2</td> </tr> <tr> <td>Sulfur</td> <td>%</td> <td>0.05</td> <td>0.15</td> <td>1.0</td> </tr> <tr> <td>Calcium</td> <td>%</td> <td>0.92</td> <td>2.68</td> <td>18.4</td> </tr> <tr> <td>Magnesium</td> <td>%</td> <td>0.21</td> <td>0.61</td> <td>4.2</td> </tr> <tr> <td>Sodium</td> <td>%</td> <td>0.080</td> <td>0.233</td> <td>1.6</td> </tr> <tr> <td colspan="5">Micronutrients</td> </tr> <tr> <td>Iron</td> <td>ppm</td> <td>2830</td> <td>8244</td> <td>5.7</td> </tr> <tr> <td>Manganese</td> <td>ppm</td> <td>111</td> <td>323</td> <td>0.2</td> </tr> <tr> <td>Boron</td> <td>ppm</td> <td>< 100</td> <td>----</td> <td>----</td> </tr> <tr> <td colspan="5">OTHER PROPERTIES</td> </tr> <tr> <td>Moisture</td> <td>%</td> <td colspan="2">65.67</td> <td></td> </tr> <tr> <td>Total Solids</td> <td>%</td> <td>34.33</td> <td></td> <td>686.6</td> </tr> <tr> <td>Organic Matter</td> <td>%</td> <td>16.80</td> <td>48.94</td> <td>336.0</td> </tr> <tr> <td>Ash</td> <td>%</td> <td>17.30</td> <td>50.39</td> <td>346.0</td> </tr> <tr> <td>Total Carbon</td> <td>%</td> <td>6.05</td> <td>17.63</td> <td></td> </tr> <tr> <td>Chloride</td> <td>%</td> <td>0.10</td> <td>0.29</td> <td></td> </tr> <tr> <td>pH</td> <td></td> <td colspan="2">7.6</td> <td></td> </tr> <tr> <td>Conductivity 1:5 (Soluble Salts)</td> <td>mS/cm</td> <td colspan="2">5.56</td> <td></td> </tr> </tbody> </table>							Analysis (as rec'd)	Analysis (dry weight)		NUTRIENTS					Nitrogen					Total Nitrogen	%	0.42	1.22	8.4	Organic Nitrogen	%	0.41	1.21	8.3	Ammonium Nitrogen	%	0.006	0.017	0.1	Nitrate Nitrogen	%	< 0.01	----	----	Major and Secondary Nutrients					Phosphorus	%	0.10	0.29	2.0	Phosphorus as P2O5	%	0.23	0.67	4.6	Potassium	%	0.38	1.11	7.6	Potassium as K2O	%	0.46	1.34	9.2	Sulfur	%	0.05	0.15	1.0	Calcium	%	0.92	2.68	18.4	Magnesium	%	0.21	0.61	4.2	Sodium	%	0.080	0.233	1.6	Micronutrients					Iron	ppm	2830	8244	5.7	Manganese	ppm	111	323	0.2	Boron	ppm	< 100	----	----	OTHER PROPERTIES					Moisture	%	65.67			Total Solids	%	34.33		686.6	Organic Matter	%	16.80	48.94	336.0	Ash	%	17.30	50.39	346.0	Total Carbon	%	6.05	17.63		Chloride	%	0.10	0.29		pH		7.6			Conductivity 1:5 (Soluble Salts)	mS/cm	5.56		
		Analysis (as rec'd)	Analysis (dry weight)																																																																																																																																																		
NUTRIENTS																																																																																																																																																					
Nitrogen																																																																																																																																																					
Total Nitrogen	%	0.42	1.22	8.4																																																																																																																																																	
Organic Nitrogen	%	0.41	1.21	8.3																																																																																																																																																	
Ammonium Nitrogen	%	0.006	0.017	0.1																																																																																																																																																	
Nitrate Nitrogen	%	< 0.01	----	----																																																																																																																																																	
Major and Secondary Nutrients																																																																																																																																																					
Phosphorus	%	0.10	0.29	2.0																																																																																																																																																	
Phosphorus as P2O5	%	0.23	0.67	4.6																																																																																																																																																	
Potassium	%	0.38	1.11	7.6																																																																																																																																																	
Potassium as K2O	%	0.46	1.34	9.2																																																																																																																																																	
Sulfur	%	0.05	0.15	1.0																																																																																																																																																	
Calcium	%	0.92	2.68	18.4																																																																																																																																																	
Magnesium	%	0.21	0.61	4.2																																																																																																																																																	
Sodium	%	0.080	0.233	1.6																																																																																																																																																	
Micronutrients																																																																																																																																																					
Iron	ppm	2830	8244	5.7																																																																																																																																																	
Manganese	ppm	111	323	0.2																																																																																																																																																	
Boron	ppm	< 100	----	----																																																																																																																																																	
OTHER PROPERTIES																																																																																																																																																					
Moisture	%	65.67																																																																																																																																																			
Total Solids	%	34.33		686.6																																																																																																																																																	
Organic Matter	%	16.80	48.94	336.0																																																																																																																																																	
Ash	%	17.30	50.39	346.0																																																																																																																																																	
Total Carbon	%	6.05	17.63																																																																																																																																																		
Chloride	%	0.10	0.29																																																																																																																																																		
pH		7.6																																																																																																																																																			
Conductivity 1:5 (Soluble Salts)	mS/cm	5.56																																																																																																																																																			

13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121 • www.midwestlabs.com

Lab #	70408833	Biological & Physical Properties			Report Number: 24-039-4052						
Account: 72634	Jon Kent Sanctuary Farms 3171 Lakeview St Detroit MI 48215-2477			 Robert Ferris Client Service Representative 402-829-9871							
Date Sampled:	2024-01-19			STA COMPOST 5227114							
Date Received:	2024-01-26										
Sample ID:	STA COMPOST COUNCIL PACKAGE										
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;"></th> <th style="width: 15%;">Analysis (as rec'd)</th> <th style="width: 15%;">Analysis (dry weight)</th> <th style="width: 10%;">Units</th> <th style="width: 10%;">Detection Limit</th> <th style="width: 15%;">Method</th> </tr> </thead> </table>							Analysis (as rec'd)	Analysis (dry weight)	Units	Detection Limit	Method
	Analysis (as rec'd)	Analysis (dry weight)	Units	Detection Limit	Method						
Biological Properties											
Germination	100		%	1	TMECC 05.05A						
Germination Vigor	100		%	1	TMECC 05.05A						
CO ₂ OM Evolution	0.79		mgCO ₂ -C/gOM/day	0.01	TMECC 05.08B						
CO ₂ Solids Evolution	1.13		mgCO ₂ -C/gTS/day	0.01	TMECC 05.08B						
Fecal Coliform		96	mpn/g	0.2	EPA 1681						
Salmonella		< 1.2	mpn/4g	1.2	TMECC 07.02						
Stability Rating	Stable		N/A	N/A	TMECC 05.08B						
Physical Properties											
Bulk Density (Loose)	893		lbs/cu yard	1	WT/VOL						
Bulk Density (Packed)	1634		lbs/cu yard	1	WT/VOL						
Film Plastics	n.d.		%	0.1	TMECC 03.08						
Glass Fragments	n.d.		%	0.1	TMECC 03.08						
Hard Plastics	n.d.		%	0.1	TMECC 03.08						
Metal Fragment	n.d.		%	0.1	TMECC 03.08						
Sharps	absent		---	0.1	TMECC 03.08						
Max. Particle Length		2.5	inches	N/A	TMECC Sieve						
Sieve % Passing 3"		100	%	0.01	TMECC Sieve						
Sieve % Passing 2"		100	%	0.01	TMECC Sieve						
Sieve % Passing 1.5"		100	%	0.01	TMECC Sieve						
Sieve % Passing 1"		100	%	0.01	TMECC Sieve						
Sieve % Passing 3/4"		100	%	0.01	TMECC Sieve						
Sieve % Passing 5/8"		100	%	0.01	TMECC Sieve						
Sieve % Passing 3/8"		95	%	0.01	TMECC Sieve						
Sieve % Passing 1/4"		82	%	0.01	TMECC Sieve						