



CUSTOMER INFORMATION			SAMPLE INFORMATION	
Name:	Josh Toal		Grower Name:	RhizeBio
Email:	support@rhizebio.com		Field ID:	Field 1
Phone:	919-351-2318		Product Type:	Compost
Bill To:	RhizeBio		Feedstock(s):	N/A

Test ID/Product Name	RhizeBio Manure #1	Test Date	5/30/2025
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Species Summary			Functions of Interest			Top 20 Genera Identified	
Microbial Community Composition			Oxygen Availability			AE = Aerobic AN = Anaerobic OA = Obligate Aerobic ON = Obligate Anaerobic F = Facultative MA = Microaerophilic	
Number of Microbes and Viruses	1,482		Anoxic Environment	44%	Medium		
Top 10 Percentage	48%		High Oxygen Environment	44%	Medium		
Top 50 Percentage	73%		Low Oxygen Environment	2%	Very Low		
Top 100 Percentage	81%		Carbon Cycling			1 Streptomyces	8.37% F
Bacteria to Fungal Ratio	297 to 1		Organic Carbon Breakdown	76%	High	2 Bradyrhizobium	6.23% MA
Ectomycorrhizal to Arbuscular Ratio	.94 to 1		Methanogenesis	83%	High	3 Nocardioide	5.18% AN
Viruses and Pathogens			Carbon Fixation	55%	Medium	4 Pseudomonas	4.53% AN
Total Virusesand Percentage	11	0.75%	Nitrogen Cycling			5 Burkholderia	3.00% AN
Pathogens Percentage - Top 100	0	0.00%	Denitrification	2%	Very Low	6 Mycolicibacterium	1.81%
Microbial Metabolism			Nitrification	75%	High	7 Arthrobacter	1.61% AN
Total Bacterial Genera and Percentage	1434	96.8%	Nitrogen Fixation	88%	Very High	8 Microbacterium	1.54% AN
Anaerobic Bacteria Genera	245	16.5%	Organic Nitrogen Breakdown	61%	Medium	9 Variovorax	1.52% AN
Aerobic Bacterial Genera	801	54.0%	Nutrient Cycling			10 Massilia	1.46% AN
Unclassified Bacterial Genera	388	26.2%	Phosphorus Mobilization	37%	Low	11 Sphingomonas	1.44% AN
Total Fungal Genera and Percentage	37	2.50%	Potassium Solubilization	60%	Medium	12 Mesorhizobium	1.43%
Anaerobic Fungal Genera	4	0.27%	Sulfur Oxidation	8%	Very Low	13 Micromonospora	1.34% AN
Aerobic Fungal Genera	28	1.89%	Sulfur Reduction	50%	Medium	14 Mycobacterium	1.33% AN
Unclassified Fungal Genera	5	0.34%	Calcium Transport	67%	High	15 Rhizobium	1.14% AE
Key Metabolic Functions			Iron Acquisition	56%	Medium	16 Paenibacillus	1.04% AE
Facultative Anaerobic Organisms	95	6.4%	Other Plant Growth Promoting Functions			17 Rhodococcus	0.89% AN
Obligate Anaerobic Organisms	17	1.1%	Nodulating Bacteria	20%	Very Low	18 Amycolatopsis	0.86%
Microaerophilic Organisms	45	3.0%	Plant Stress Adaptation	34%	Low	19 Telluria	0.81% AE
						20 Conexibacter	0.80% AE