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MICROBE WISE FOR LIQUIDS V15-2020

Name: **Riverland Backyard Worms** Sample: **Riverland Backyard Worms Sample 3** Analysis no.: **5013-1-MWSL** Date: **8/07/2026**

Customer name	Riverland Backyard Worms	**Date received**	8/07/2026
Client name	Randell Smith	**Agent**	Microbiology Laboratories A
Sample name	Riverland Backyard Worms Sample 3	**Advisor**	
Product type	Liquid	**Authorised by**	Dr Maria Manjarrez (Mlabs)
Date sampled	6/07/2026 **Ext. ID**	**Analysis no.**	5013-1-MWSL

Key Microbe Groups

Group	Biomass (mg/L) Yours	
Total microorganisms	**1.1**	
Total bacteria	**0.2**	
Total fungi	**0.8**	
Bacteria		
Pseudomonas	**0.064**	
Actinomycetes	**0.006**	
Gram positive	**0.073**	
Gram negative	**0.175**	
Methane oxidisers	**0.000**	
Sulphur reducers	**0.000**	
True anaerobes	**0.012**	
Eukaryotes		
Protozoa	**0.120**	
Mycorrhizal fungi (including VAM)	**0.068**	

Useful indicators	Yours	
Microbial diversity	**23.1**	
Fungi : Bacteria	**3.1**	
Bacterial stress	**0.1**	

Key *BDL = Below Detectable Limit (0.001 mg/kg)

Poor **Fair** **Good**

Comments

Most microbial groups were present, including Protozoa and Mycorrhizal fungi, which is a plus. Microbial diversity was fair. True anaerobes were present, in low levels which may indicate anaerobic conditions during manufacture or storage. Sulphur reducing bacteria were not present, which would not affect product chemistry, pH, smell and appearance over time. Bacterial stress was a little elevated, which could be due to food scarcity, pH or other edaphic factors present in the liquid. The fungi to bacteria ratio was elevated.

Explanations

Microbe Wise for Liquids measures the living biomass of a number of important microbial groups directly from your sample. It uses molecular ('DNA type') technology to analyse the unique cell membrane 'fingerprint' of each microbe type to identify and quantify well-known microbial groups essential to important environmental processes, such as in soil, compost, water and other media. The Microbe Wise method allows for some unique features, such as a measure of microbial diversity and other useful indicators. Results are presented in a way that allows you to easily assess the microbial status of your sample in detail. Visit **www.microbelabs.com.au** for more information.

Disclaimer

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