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MICROBE WISE FOR LIQUIDS V15-2020

Name: **Microtek Organics** Sample: **Repair** Analysis no.: **3687-1-MWSL** Date: **7/03/2023**

Customer name	Microtek Organics	**Date received**	7/03/2023
Client name	Alex Girke	**Agent**	Microbiology Laboratories A
Sample name	Repair	**Advisor**	
Product type	Liquid	**Authorised by**	Dr Maria Manjarrez (MLabs)
Date sampled	3/03/2023 **Ext. ID**	**Analysis no.**	3687-1-MWSL

Key Microbe Groups

Group	Biomass (mg/L) Yours	
Total microorganisms	**0.5**	
Total bacteria	**0.2**	
Total fungi	**0.3**	
Bacteria		
Pseudomonas	**0.032**	
Actinomycetes	**0.014**	
Gram positive	**0.074**	
Gram negative	**0.088**	
Methane oxidisers	**0.000**	
Sulphur reducers	**0.000**	
True anaerobes	**0.003**	
Eukaryotes		
Protozoa	**0.074**	
Mycorrhizal fungi (including VAM)	**0.046**	

Useful indicators	Yours	
Microbial diversity	**27.4**	
Fungi : Bacteria	**1.6**	
Bacterial stress	**0.4**	

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

Poor **Fair** **Good**

Comments

Most microbial groups were present and thus Microbial diversity was fair. True anaerobes were present, which indicates anaerobic conditions during manufacture or storage. Sulphur reducing bacteria were not detected, which means not many changes on 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.

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.