



Certificate of Analysis

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Client:	Biofeed	Lab No:	2661726	SPV1
Contact:	Nicolas Souto	Date Received:	22-Jul-2021	
	C/- Biofeed	Date Reported:	27-Jul-2021	
	12 Lady Barkly Road	Quote No:	112427	
	RD 2	Order No:		
	Winton 9782	Client Reference:	Compost Tea	
		Submitted By:	Nicolas Souto	

Sample Type: Aqueous

Sample Name:	Biofeed				
	20-Jul-2021 1:00 pm				
Lab Number:	2661726.1				
Individual Tests					
Total Phosphorus	g/m ³	157	-	-	-
Total Potassium	g/m ³	1,500	-	-	-
Total Nitrogen	g/m ³	163	-	-	-
Nitrate-N + Nitrite-N	g/m ³	1.04	-	-	-
Total Kjeldahl Nitrogen (TKN)	g/m ³	162	-	-	-
Heavy metals, totals, screen As,Cd,Cr,Cu,Ni,Pb,Zn					
Total Arsenic	g/m ³	< 0.021	-	-	-
Total Cadmium	g/m ³	< 0.0011	-	-	-
Total Chromium	g/m ³	0.022	-	-	-
Total Copper	g/m ³	0.087	-	-	-
Total Lead	g/m ³	0.0106	-	-	-
Total Nickel	g/m ³	0.044	-	-	-
Total Zinc	g/m ³	0.56	-	-	-

Summary of Methods

The following table(s) gives a brief description of the methods used to conduct the analyses for this job. The detection limits given below are those attainable in a relatively simple matrix. Detection limits may be higher for individual samples should insufficient sample be available, or if the matrix requires that dilutions be performed during analysis. A detection limit range indicates the lowest and highest detection limits in the associated suite of analytes. A full listing of compounds and detection limits are available from the laboratory upon request. Unless otherwise indicated, analyses were performed at Hill Laboratories, 28 Duke Street, Frankton, Hamilton 3204.

Sample Type: Aqueous

Test	Method Description	Default Detection Limit	Sample No
Heavy metals, totals, screen As,Cd,Cr,Cu,Ni,Pb,Zn	Nitric acid digestion, ICP-MS, screen level. APHA 3125 B 23 rd ed. 2017.	0.0011 - 0.021 g/m ³	1
Filtration, Unpreserved	Sample filtration through 0.45µm membrane filter.	-	1
Total Digestion	Nitric acid digestion. APHA 3030 E (modified) 23 rd ed. 2017.	-	1
Total Phosphorus	Nitric acid digestion, ICP-MS, screen level. APHA 3125 B 23 rd ed. 2017.	0.42 g/m ³	1
Total Potassium	Nitric acid digestion, ICP-MS, screen level. APHA 3125 B 23 rd ed. 2017.	1.1 g/m ³	1
Total Nitrogen	Calculation: TKN + Nitrate-N + Nitrite-N. Please note: The Default Detection Limit of 0.05 g/m ³ is only attainable when the TKN has been determined using a trace method utilising duplicate analyses. In cases where the Detection Limit for TKN is 0.10 g/m ³ , the Default Detection Limit for Total Nitrogen will be 0.11 g/m ³ . In-house calculation.	0.05 g/m ³	1
Nitrate-N + Nitrite-N	Total oxidised nitrogen. Automated cadmium reduction, flow injection analyser. APHA 4500-NO ₃ -I (modified) 23 rd ed. 2017.	0.002 g/m ³	1
Total Kjeldahl Nitrogen (TKN)	Total Kjeldahl digestion, phenol/hypochlorite colorimetry. Discrete Analyser. APHA 4500-N _{org} D (modified) 4500 NH ₃ F (modified) 23 rd ed. 2017.	0.10 g/m ³	1



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These samples were collected by yourselves (or your agent) and analysed as received at the laboratory.

Testing was completed between 26-Jul-2021 and 27-Jul-2021. For completion dates of individual analyses please contact the laboratory.

Samples are held at the laboratory after reporting for a length of time based on the stability of the samples and analytes being tested (considering any preservation used), and the storage space available. Once the storage period is completed, the samples are discarded unless otherwise agreed with the customer. Extended storage times may incur additional charges.

This certificate of analysis must not be reproduced, except in full, without the written consent of the signatory.

A handwritten signature in blue ink, appearing to be 'Ara Heron', written over a horizontal line.

Ara Heron BSc (Tech)
Client Services Manager - Environmental