

Rapid • Reliable • Resourceful

20 Pentrich Road, PO Box 3391, Pietermaritzburg, 3200, KwaZulu-Natal, South Africa • S 29°37.934, E 30°22.685
 Tel: +27 (0) 33 346 1444 • Fax: +27 (0) 33 346 1445 • E-mail: talbot@talbot.co.za • http://www.talbot.co.za

29th JUNE 2015

ANALYTICAL REPORT

OUR REF: W661Y15.REP
 COMPANY NAME: BLUESTREAM
 COMPANY ADDRESS: SUITE 57 PRIVATE BAG X 7
 CONTACT PERSON: HAYDEN VON BLERK
 LAB. NO: W661/15
 SAMPLE ID: PRODUCT BIOTREAT SAMPLE
 DATE SUBMITTED: 26/05/2015

One sample was submitted to the laboratory for various analyses. **These results are presented below.**

DETERMINAND	UNITS	W661/15 PRODUCT BIOTREAT SAMPLE	CLASS "A" LIMITS
Total Helminth's	Count per dry g	0	1 viable helminth ova
#pH @ 25°C	pH Units	7	
Total Solids at 105°C [Gravimetric]	% m/m	91	
Volatile Fatty Acids, VFA	mg/l CH ₃ COOH	3548	
Volatile Solids at 400°C [Gravimetric]	% m/m	56	
**Potassium as K	mg/kg	8238	
Phosphorous as P [ICP]	% m/m	2.76	
Nitrogen as N [Kjeldahl Digestion]	% m/m	4.03	

Comment: #pH was done on a 1:10 slurry
 ** The sample was prepared by means of an aqua-regia digestion and analysed for Potassium. The result was calculated back with mass and volume used in the digestion.

POLYAROMATIC HYDROCARBONS (PAH's)

DEERMINAND	UNITS	RESULTS	CLASS "A" LIMITS
		W661/15	
		PRODUCT BIOTREAT SAMPLE	
Naphthalene	µg/kg	22	The sum of the concentrations is below 6,000 µg/kg
Acenaphthene	µg/kg	<20	
Acenaphthylene	µg/kg	<20	
Fluorene	µg/kg	<20	
Phenanthrene	µg/kg	<20	
Anthracene	µg/kg	<20	
Fluoranthene	µg/kg	<20	
Pyrene	µg/kg	<20	
Benzo[a]anthracene	µg/kg	<20	
Chrysene	µg/kg	<20	
Benzo[k +b]fluoranthene	µg/kg	<20	
Benzo[a]pyrene	µg/kg	<20	
Benzo[g,h,i] perylene	µg/kg	<200	
Dibenz[a,h]anthracene	µg/kg	<200	
Indeno[123-cd]pyrene	µg/kg	<200	

The samples were prepared by means of an aqua-regia digestion where the resultant digests were analysed by ICP-MS. These results were calculated back with mass and volume used in the digestions. **All results are presented below.**

DETERMINAND	UNITS	W661/15 PRODUCT BIOTREAT SAMPLE	CLASS "A" LIMITS
Arsenic, As	µg/kg	1299	<40,000
Cadmium, Cd	µg/kg	26	<40,000
Chromium, Cr	µg/kg	3697	<1,200,000
Copper, Cu	µg/kg	6494	<1,500,000
Lead, Pb	µg/kg	110	<300,000
Mercury, Hg	µg/kg	170	<15,000
Nickel, Ni	µg/kg	3697	<420,000
Zinc, Zn	µg/kg	29673	<2,800,000

Vanessa Talbot
LABORATORY DIRECTOR

This report relates only to the samples tested. This report shall not be reproduced, except in full, without the written approval of **Talbot & Talbot (Pty) Ltd**. This report has been prepared by Talbot & Talbot (Pty) Ltd on behalf of the Client, taking into account the agreed scope of work. In preparing this report, Talbot & Talbot (Pty) Ltd has exercised all reasonable skill and care, taking into account the objectives and the agreed scope of work. Talbot & Talbot (Pty) Ltd does not accept any liability in negligence for any matters arising outside of the agreed scope of work. When issued in electronic format, Talbot Laboratories does not accept any responsibility for any unauthorised changes made by others.