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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.

Directors: Dr MMJ-F Talbot, Mr FD Urbaniak-Hedley (British), Mrs VR Talbot
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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

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