



INDUSTRIAL TECHNOLOGY INSTITUTE (ITI)

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TEST REPORT

Report No. SS 1210965

Report to:

Circle 5 Ecoplantation Lanka (Pvt) Ltd.,
No. 655/1F, Lake Road,
Boralessgamuwa.

Issued by:

Chemical & Microbiological Laboratory
Industrial Technology Institute

2012/10/18

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2012/10/23


2012/10/23



TEST REPORT

Report No. SS 1210965

Customer: Circle 5 Ecoplantation Lanka (Pvt) Ltd., No. 655/1F, Lake Road, Boralesgamuwa.	Test Item: COIR PRODUCTS Service Requested: Parameters requested by the customer in letters dated 2012/07/19, 2012/08/14 & 2012/08/15
Descriptions: 1. Approximately 5kg of coco peat in a sealed polythene bag. 2. Approximately 5kg of coco-chips wrapped with polythene. 3. Approximately 5kg coco-chips wrapped with polythene. 4. Approximately 5kg of coco chips wrapped with polythene. 5. Approximately 5kg of coco peat wrapped with polythene.	Identification of Test Item: Labels: 100% coco-peat Bag sample 1 PreMiereCocos-Coco chips 100 (100% Coco-Chips) Weight: 5kg, Dimension: (30x30x20)cm PreMiereCocos-Cocos70:30 (70% Coco-peat+ 30% Coco-Chips) Weight: 5kg, Dimension: (30x30x20)cm PreMiereCocos - cocos 90:10 (90% Coco-peat + 10% Coco-Chips) Weight: 5kg, Dimension: (30x30x20)cm PreMiereCocos - Cocos 100 (100% Coco-peat) Weight: 5kg, Dimension: (30x30x12)cm Date of Receipt of Test Item: 2012/08/13
Test Dates: Chemical - 2012/08/28 to 2012/10/04 Microbiological - 2012/08/18 to 2012/08/26	

Handwritten signature and date:
2012/10/23
2012/10/23



Report No. SS 1210965

TEST RESULTS:

Test/Unit	Method	Results				
		1	2	3	4	5
Electrical conductivity (1:6), $\mu\text{S}/\text{cm}$	SLS 1219:2001	43.9	149.2	101.7	87.3	485.7
pH (1:6) (wet volume)		8.3	8.1	8.1	7.6	6.6
Wet volume expansion		1:3	1:1.5	1:5	1:4	1:3
Water holding capacity, percent by mass		80.5	54.8	90.6	87.4	89.3
Moisture, percent by mass		19.2	11.3	15.0	16.7	12.8
Mineral content, percent by mass	Soil Chemical Analysis by ML Jackson	5.7	2.2	6.2	6.3	22.6
Carbon nitrogen, (ratio)		1:73	1:71	1:65	1:64	1:54
BaCl ₂ analysis (SO ₄ content), percent by mass		0.007	0.03	0.03	0.03	0.03
Air filled porosity, percent volume by volume	BS4156: 1990	9.6	4.3	10.0	9.0	9.0
Mould count (at 25 ^o c/5 days), per g	SLS 516-2- 1991	4.2x10 ⁴	4.1x10 ³	5.0x10 ³	3.5x10 ⁴	5.2x10 ⁴
<i>E.coli</i> count, (MPN), per g	SLS 516-3- 1982	*ND	*ND	*ND	*ND	*ND
<i>Salmonella</i> , per 25g	SLS 516-5- 1991	Absent	Absent	Absent	Absent	Absent

*ND – Not Detected

Analysis was carried out by Mrs. C.K. Wickramasinghe, Senior Technical Officer &
Mr. C. Nawarathne, Technical Assistant.

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Authorized Signatory**M. N. A. Mubarak**B.Sc (sp. Hons), M.Sc (Delft)
Senior Research Officer2012/10/18
Chemical and Microbiological Laboratory

/dpc

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Authorized Signatory**Mrs. Sajeevika Perera**Senior Research Officer
Chemical & Microbiological Laboratory

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TEST REPORT

Report No. SS 1214419

Report to:

Circle 5 Ecoplantation Lanka (Private) Ltd.,

No. 655/1F, Lake Road,

Boralesgamuwa,


Colombo.

Issued by:

Chemical & Microbiological Laboratory

Industrial Technology Institute

2012/12/03

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THE REPORT IS ISSUED SUBJECT TO CONDITIONS MENTIONED OVERLEAF

"PLEASE ADDRESS ALL COVERS TO THE DIRECTOR"



TEST REPORT

Report No. SS 1214419

Customer: Circle 5 Ecoplantation Lanka (Private) Ltd., No. 655/1F, Lake Road, Boralesgamuwa, Colombo.	Test Item: COIR PRODUCTS Service Requested: Parameters requested by the customer in letters dated 2012/07/19.
Descriptions: 1. Approximately 5kg of coco peat in a sealed polythene bag. 2. Approximately 5kg of coco-chips wrapped with polythene. 3. Approximately 5kg coco-chips wrapped with polythene. 4. Approximately 5kg of coco chips wrapped with polythene. 5. Approximately 5kg of coco peat wrapped with polythene.	Identification of Test Item: Labels: 100% coco-peat Bag sample 1 PreMiereCocos-Coco chips 100 (100% Coco-Chips) Weight: 5kg, Dimension: (30x30x20)cm PreMiereCocos-Cocos70:30 (70% Coco-peat+ 30% Coco-Chips) Weight: 5kg, Dimension: (30x30x20)cm PreMiereCocos - cocos 90:10 (90% Coco-peat + 10% Coco-Chips) Weight: 5kg, Dimension: (30x30x20)cm PreMiereCocos - Cocos 100 (100% Coco-peat) Weight: 5kg, Dimension: (30x30x12)cm Date of Receipt of Test Item: 2012/10/31
Test Dates: 2012/11/06 to 2012/11/19	



Report No. SS 1214419

TEST RESULTS:

Test/Unit	Method	Results					Limit of Detection
		1	2	3	4	5	
Sodium, percent by mass	AOAC 965.09: 2002	0.17	0.8	0.12	0.14	0.23	-
Magnesium, mg/kg		71.53	335.98	62.35	75.27	46.01	-
Potassium, percent by mass		0.67	0.11	0.34	0.37	0.50	-
Calcium, percent by mass		0.06	0.07	0.08	0.07	0.03	-
Cadmium, mg/kg		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	0.1
Lead, mg/kg		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	0.5
Arsenic, mg/kg	AOAC 986.15: 2002	0.22	0.1	0.34	0.29	0.37	-
Mercury, mg/kg	AOAC 999.10: 2002	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	0.05


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Authorized Signatory

J.K.A. Bandulasoma Wijegunasekara
Head
2012/12/03
/dpc
Chemical & Microbiological - Laboratory


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Mr. A. Perera
Technical Assistant

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MINISTRY OF TECHNOLOGY AND RESEARCH



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அடிப்படைக் கற்கைகளுக்கானநிறுவகம்
INSTITUTE OF FUNDAMENTAL STUDIES



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ஹந்தானவீதி, கண்டி, இலங்கை
Hantana Road, Kandy, Sri Lanka


21 March 2014

Analytical Report
Chemical Composition of Coco Peat

Sample of Coco Peat from; Circle 5 Eco Plantations Lanka (Pvt) Limited, 32A, Gellison Mawatha, Negambo, is as follows.

Sample	Moisture (%) d.w.b.	pH 1:5 v/v	EC 1:5 v/v, (μ mhos/cm)	Na (%)	K (%)	Ca (%)	Mg (%)	P (%)	N (%)	OC (%)	C/N ratio	Ash (%)
Coco Peat	14.1	5.71	522	0.30	0.78	0.41	0.19	0.03	0.44	32.5	73.9	6.38

- No toxic materials is used and no added chemicals or ingredients in the process of manufacturing coco peat base value added product and 100% organic and these product contain only 100% *Cocos nucifera* (Coco Peat) and completely environmental friendly.
- No visible contamination with animal materials
- This coco peat is clean, free from soil, contaminant plant material and other extraneous matter
- Country of origin is Sri Lanka
- End use of product- fertilizer


Prof. Gamini Seneviratne
Research Professor

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