

	<p><b>KEMENTERIAN PENDIDIKAN NASIONAL</b></p> <p><b>UNIVERSITAS UDAYANA</b></p> <p><b>UPT. LAB. ANALITIK</b></p> <p><i>Kampus Bukit Jimbaran, Telp. 0361701954, ext. 254; HP.081803134550</i></p> <p><b>Dr. Ir. Ida Bagus Putra Manuaba, M.Phil</b></p> <p><b>Pmanuaba@yahoo.com</b></p>
Certificate No	: 90/H.14.24/UPTLA/2010
Date	: June 2, 2010

**REPORT OF ANALYSIS**

CLIENT	: Amy Rachelle
	Ubud, Bali
	Mobile: 085737618279
	Email: amy@amyrachelle.com
TYPE OF SAMPLE	: SEaweEDS
RECEIVED ON	: May 5, 2010
DATE OF ANALYSIS	: May 10 up to June 1, 2010
TEST REQUIRED	: BASED ON REQUEST: BACTERIOLOGICAL, AND CHEMICAL ANALYSIS
DESCRIPTION OF SAMPLE	: Sample was submitted by client
	Form : wet solid
	Weight/volume : <b>1 Kg</b>
	Packing : plastic bag
SAMPLE IDENTIFICATION	: -

YOUR REFERENCE	: -
RESULTS	: SEE ON ATTACHMENT AS AN INTEGRAL PART OF THIS CERTIFICATE

This certificate is issued under our General Terms and conditions

Head of Laboratory

Dr. Ir. Ida Bagus Putra Manuaba, M.Phil

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PARAMETER	UNIT	TEST RESULTS
<u>Bacteriological</u>		
• E. coli	MPN/100 ml	0
• Coliform	MPN/100 ml	0
• Salmonella	MPN/100 ml	0
<u>Chemical</u>		
• pH	-	5.99
• Protein	%	2.44
• Vitamin-C	%	0.10
• C-organic	%	4.62
• Water content	%	76.65

• Calcium (Ca)	mg/Kg	0.55
• Potassium (K)	mg/Kg	8.38
• Magnesium (Mg)	mg/Kg	4.12
• Sodium (Na)	mg/Kg	1.19
• Iron (Fe)	mg/Kg	2.63
• Mangan (Mn)	mg/Kg	4.05
• Zinc (Zn)	mg/Kg	43.17
• Copper (Cu)	mg/Kg	21.82
• Nickel (Ni)	mg/Kg	4.79
• Cobalt (Co)	mg/Kg	4.39
• Selenium (Se)	mg/Kg	0.14
• Boron (B)	mg/Kg	1.91
• Chromium (Cr)	mg/Kg	4.08
• Molibdenum (Mo)	mg/Kg	1.46
• Barium (Ba)	mg/Kg	ND
• Tin (Sn)	mg/Kg	0.19
• Mercury (Hg)	mg/Kg	0.001
• Sulphide (S)	mg/Kg	49.59

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**REPORT OF ANALYSIS**

<b>PARAMETER</b>	<b>UNIT</b>	<b>TEST RESULTS</b>
<u>Chemical</u>		
• Nitrogen	%	0.13
• Phosphorous (P)	%	0.14
• Chlorin (Cl <sub>2</sub> )	%	0.1
• Phosphate (PO <sub>4</sub> <sup>3-</sup> )	%	0.29
• Nitrate (NO <sub>3</sub> <sup>2-</sup> )	mg/Kg	40.71
<u>Amino Acids</u>		
• Aspartic acid	%	0.22
• Glutamic acid	%	0.28
• Serine	%	0.16
• Histidine	%	0.02
• Glycine	%	0.13
• Threonine	%	0.12
• Arginine	%	0.16
• Alanine	%	0.15
• Tyrosine	%	0.07
• Methionine	%	0.04
• Valine	%	0.22
• Phenylalanine	%	0.57
• Isoleucine	%	0.11

• Leucine	%	0.16
• Lysine	%	1.72
<u>Pesticide</u>		
• DDT	mg/Kg	ND
• Chlordane	mg/Kg	ND
• Aldrin	mg/Kg	ND

Remarks: ND = not detected.