

**KEMENTERIAN PENDIDIKAN NASIONAL
UNIVERSITAS UDAYANA
UPT. LAB. ANALITIK**

Kampus Bukit Jimbaran, Telp. 0361701954, ext. 254; HP.081803134550

Certificate No : 100/UN.14.24/UPTLA/2012
Date : May 14, 2012

REPORT OF ANALYSIS

CLIENT : Mr. Quint
Ubud, Bali
Mobile: 081239604568
Email: quintquick@gmail.com

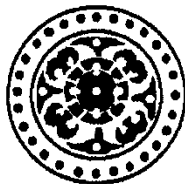
TYPE OF SAMPLE : SEaweeds
RECEIVED ON : April 5, 2012
DATE OF ANALYSIS : April 10 up to May 12, 2012
TEST REQUIRED : BASED ON REQUEST: PROXIMATE ANALYSIS AND TOXICOLOGY TEST
DESCRIPTION OF SAMPLE : Sample was submitted by client
Form : dry solid
Weight/volume : 222 Kg
Packing : plastic bag (sealed and vacuum)

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

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



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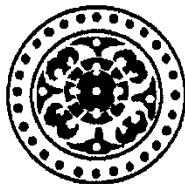
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REPORT OF PROXIMATE ANALYSIS

PARAMETER	UNIT	TEST RESULTS
Proximate		
• Protein	%	8.28
• Carbohydrate	%	14.03
• Total Lipid	%	3.25
• Fiber	%	20.79
• Ash	%	20.36
• Vitamin C	mg/100 mg	28.78
Amino Acids		
• Aspartic acid	%	0.34
• Glutamic acid	%	0.41
• Serine	%	0.48
• Histidine	%	0.52
• Glycine	%	0.32
• Threonine	%	0.26
• Arginine	%	0.47
• Alanine	%	0.38
• Tyrosine	%	0.59
• Methionine	%	0.38
• Valine	%	0.41
• Phenylalanine	%	0.69
• Isoleucine	%	0.86
• Leucine	%	0.76
• Lysine	%	2.33



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REPORT OF TOXICOLOGY ANALYSIS

PARAMETER	UNIT	TEST RESULTS
Toxicology test		
• E. coli	koloni/g	ND
• Coliform	koloni/g	ND
• Salmonella	koloni/g	ND
• Khamir and Mold	koloni/g	1x10 ¹
• Brine shrimp lethality test (BLT) based on LC ₅₀	mg/kg	1340

Remarks: consider toxic LC₅₀ < 1000 mg/Kg.

The compound tested is not toxic based on bacteri and BLT test