

**KELINGTON ANALYTICAL SERVICES SDN. BHD. (1103012-H)**

No 3, Jalan Astaka U8/83, Seksyen U8, Bukit Jelutong Industrial Park,  
40150, Shah Alam, Selangor Darul Ehsan, Malaysia  
Tel: 03 7845 5696 Fax: 03 7845 7097

**CERTIFICATE OF ANALYSIS**


<b>KAS REFERENCE #</b>	KAS001855	<b>DATE SAMPLE RECEIVED</b>	14.06.2019
<b>REPORT DATE</b>	25.06.2019	<b>SAMPLE MARKING</b>	LARVAE FRASS
<b>COMPANY</b>	<b>UNIQUE BIOTECH SDN BHD</b> LOT 5, JALAN 10, OFF JALAN KUJARI, KAMPUNG CHERAS BARU, CHERAS, 56100 KUALA LUMPUR, MALAYSIA. TEL.: 03 4295 8980 FAX.: 03 4295 2890 EMAIL: serenauniquebio@gmail.com	<b>SAMPLE DESCRIPTION</b>	ONE LARVAE FRASS SAMPLE (SEALED IN PLASTIC)
<b>CONTACT PERSON</b>	MS SERENA TAN (017-620 2590)	<b>KAS SAMPLE ID</b>	KAS001856002

**ANALYSIS RESULTS**

(As per sample)

NO.	TEST PARAMETERS	RESULTS	UNITS	METHOD REFERENCE
1.	*TOTAL NITROGEN (N)	4.12	%	IN-HOUSE NO. FT01 (BASED ON MS 417:PART 3:1994 & AOAC 991.20)
2.	*PHOSPHORUS (P <sub>2</sub> O <sub>5</sub> )	3.63	%	MS 417: PART 4:1994
3.	*POTASSIUM (K <sub>2</sub> O)	1.87	%	IN-HOUSE NO. FT02 (BASED ON MS 417:1994)
4.	*CALCIUM (Ca)	15910	mg/kg	US EPA 6010B (1996)(ICP-OES) AND AOAC 975.03
5.	*SODIUM (Na)	293	mg/100g	US EPA 6010B (1996)(ICP-OES) AND AOAC 975.03

\*Externally provided and accredited \*\*Externally provided and not accredited



Chia Chee Leong (Food Analyst No.: MJMM0401)  
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**CERTIFICATE OF ANALYSIS**


<b>KAS REFERENCE #</b>	KAS001969	<b>DATE SAMPLE RECEIVED</b>	31.07.2019
<b>REPORT DATE</b>	09.08.2019	<b>SAMPLE MARKING</b>	MICROWAVE DRIED BSF LARVAE (GF)
<b>COMPANY</b>	<b>UNIQUE BIOTECH SDN BHD</b> LOT 5, JALAN 10, OFF JALAN KUARI, KAMPUNG CHERAS BARU, CHERAS, 56100 KUALA LUMPUR, MALAYSIA. TEL.: 03 4295 8980 FAX.: 03 4295 2890 EMAIL: moongyee@greenmaster.cc; farmadmin@uniquebiotech.com.my	<b>SAMPLE DESCRIPTION</b>	ONE DRIED LARVAE SAMPLE (SEALED IN PLASTIC)
<b>CONTACT PERSON</b>	MS MOONG YEE (018-6626041); ARIFF (013-4332879)	<b>KAS SAMPLE ID</b>	KAS001969001

**ANALYSIS RESULTS**

(As per sample)

NO.	TEST PARAMETERS	RESULTS	UNITS	METHOD REFERENCE
1.	*PROTEIN	40.2	g/100g	IN-HOUSE NO. F7 (BASED ON AOAC 991.20/ KJELDAHL METHOD)
2.	*TOTAL FAT	22.4	g/100g	IN-HOUSE NO. F13 (BASED ON AOAC 963.15 AND PEARSON'S CHEMICAL ANALYSIS OF FOODS, 7 <sup>TH</sup> ED, PG. 14-15)
3.	*OMEGA 3	0.16	g/100g	IN-HOUSE NO. G3 (GCFID)
4.	*OMEGA 6	2.21	g/100g	IN-HOUSE NO. G3 (GCFID)
5.	*OMEGA 9	5.05	g/100g	IN-HOUSE NO. G3 (GCFID)
6.	*CRUDE FIBRE	1.48	g/100g	IN-HOUSE NO. F1 (BASED ON PEARSON'S CHEMICAL ANALYSIS OF FOODS, 7 <sup>TH</sup> ED, PG. 16-18)
7.	*MOISTURE	1.63	g/100g	IN-HOUSE NO F5 (BASED ON AOAC 931.04 BY AIR OVEN METHOD)
8.	*CALCIUM (Ca)	1351	mg/100g	US EPA 6010B (1996)(ICP-OES) AND AOAC 975.03
9.	**PHOSPHORUS (P)	ND(<0.10)	g/100g	US EPA 6010B (1996)(ICP-OES) AND AOAC 975.03
10.	*ASH	1.12	g/100g	IN-HOUSE NO. F1 (BASED ON PEARSON'S CHEMICAL ANALYSIS OF FOODS; 7 <sup>TH</sup> ED, 1976; PG. 7-8)
11.	*FREE FATTY ACID (AS LAURIC ACID)	1.62	g/100g	IN HOUSE NO. F136 (BASED ON AOCS Ca 5a-40)

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