



**CERTIFICATE OF ANALYSIS**

Name of Customer : LAZZ AIN MARKETING SDN BHD  
Address : No 334-G, Jalan Senawang, Pusat Bandar Senawang1,  
70450, Seremban, Negeri Sembilan.

Tel. No. : 013-3083354

Sample Description : **Susu Kambing Asli**

Sample Ref. No : U276717

Date of Receipt : 30/10/2017

**ANALYSIS RESULT**  
(As per sample)

Parameter, Unit	Result	Test Method / Equipment / Technique
Calorie (kcal/100g)	476 (1999kJ)	In house method No. STP/Chem/A01 based on Pearson's The Chemical Analysis of Foods (6th Edition, page 578)
Total fat (g/100g)	20.8	In house method No. STP/Chem/A02 based on AOAC 16 <sup>th</sup> Edi. 991.36
*Saturated Fat (g/100g)	20.2	IUPAC 2.301 (1987) / GC-FID
*Monounsaturated Fat (g/100g)	0.5	IUPAC 2.301 (1987) / GC-FID
*Polyunsaturated Fat (g/100g)	0.1	IUPAC 2.301 (1987) / GC-FID
*Trans- Fat (g/100g)	0.0	IUPAC 2.301 (1987) / GC-FID
*Cholesterol (mg/100g)	25.1	In-house Method No: STP/Chem/A15-based on The Malaysia Journal of Analytical Sciences, Vol.10 (2006) / HPLC
Total Carbohydrate (g/100g)	67.1	In house method No. STP/Chem/A06 based on Promerance Food Analysis: Theory and Practice, 2nd Ed. (pg 637)
Dietary Fiber (g/100g)	11.1	AOAC 16th Edition, 991.43 – Enzymatic – Gravimetric Method – MES-TRIS Buffer
*Total Sugar (g/100g)	7.9	AOAC 16 <sup>th</sup> Edi. 982.14 / HPLC-ELSD
*Sucrose (g/100g)	N.D (<0.01)	AOAC 16 <sup>th</sup> Edi. 982.14 / HPLC-ELSD
Protein (g/100g)	5.0	In house method No. STP/Chem/A03 based on AOAC 16 <sup>th</sup> Edi. 981.10
#Vitamin D (mcg/100g)	N.D(<5)	HPLC
Calcium (mg/100g)	128.0	In house method No. STP/Chem/A13 - AAS
Iron (mg/100g)	0.4	In house method No. STP/Chem/A13 - AAS
Sodium (mg/100g)	251.9	In house method No. STP/Chem/A13 - AAS
Potassium (mg/100g)	769.0	In house method No. STP/Chem/A13 - AAS
Moisture (g/100g)	4.2	In house method No. STP/Chem/A04 based on AOAC 16 <sup>th</sup> Edi. 980.46
Ash (g/100g)	2.9	In house method No. STP/Chem/A05 based on AOAC 16 <sup>th</sup> Edi. 923.03



NOOR AZINAH NIZAM  
CHEMIST (M.M.I.C)

KM No./M/973/4360/03

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: U2767/17

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: 30/10/2017

**ANALYSIS RESULTS**  
(As per sample)

Parameter, Unit	Result	Test Method / Equipment / Technique
Vitamin E ( $\alpha$ -tocopherol), mg/100g	0.3	In house method No. STP/Chem/A11 based on AOAC 971.30 - HPLC
Vitamin B <sub>1</sub> (Thiamine), mg/100g	N.D (<0.02)	USP 23 – Water Insoluble Vitamin / HPLC
Vitamin B <sub>2</sub> (Riboflavin), mg/100g	1.4	USP 23 – Water Insoluble Vitamin / HPLC
Vitamin B <sub>3</sub> (Niacin), mg/100g	2.3	USP 23 – Water Insoluble Vitamin / HPLC
Vitamin B <sub>5</sub> (Pantothenic acid), mg/100g	0.07	USP 23 – Water Insoluble Vitamin / HPLC
Vitamin B <sub>6</sub> (Pyridoxine), mg/100g	0.6	USP 23 – Water Insoluble Vitamin / HPLC
Vitamin A ( $\beta$ -carotene), mg/100g	0.02	In house method No. STP/Chem/A12 based on AOAC 16 <sup>th</sup> Edi. 960.45 – HPLC
Vitamin C, mg/100g	4.3	In house method No. STP/Chem/A10 based on AOAC 16 <sup>th</sup> Edi. 967.21
#Vitamin B <sub>7</sub> ,mg/100g	N.D (<0.3)	Journal of Chromatography A, 870 (2000), Page 207-215
#Vitamin B <sub>9</sub> , mcg/100g	1.5	Journal of Chromatography A, 870 (2000), Page 207-215
#Vitamin B <sub>12</sub> , mcg/100g	0.6	Journal of Chromatography A, 870 (2000), Page 207-215
#Vitamin K, mcg/100g	N.D (<5)	HPLC
#Salicic Acid, mg/kg	383.5	GBT 30636-2014
#Iodine, mg/100g	0.1	AOAC 2012.14

NOOR AZINNAH MAAMIN  
CHEMIST (M.M.I.C)  
IKM No. M1973/4360/03

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**Bridge To A  
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**ANALYSIS RESULTS**  
(As per sample)

Parameter, Unit	Result	Test Method / Equipment / Technique
Manganese, mg/kg	0.010	Microwave Digestion – ICP/MS
Phosphorus, mg/kg	4.12	Microwave Digestion – ICP/MS
Selenium, mg/kg	0.14	Microwave Digestion – ICP/MS
Magnesium, mg/kg	340.9	Microwave Digestion – ICP/MS
Zinc, mg/kg	2.50	Microwave Digestion – ICP/MS
Copper, mg/kg	N.D (<0.001)	Microwave Digestion – ICP/MS

**Remarks:**

- Total Carbohydrate = 100 – (%Ash + %Moisture + %Protein + %Fat)
- Total sugar = %Fructose + % Glucose + %Sucrose + %Maltose + %Lactose
- N.D : Not Detected (Below Detection Limit)
- (\*) = Test parameter Not SAMM Accredited
- (#): Test parameter is subcontracted & not accredited
- f.* *Opened / balance samples will be discarded two weeks after issuance of Certificate of Analysis.*

NOORAZLIYAH MAAMM  
CHEMIST (M.M.I.C)  
IKM No.M/1973/4360/03



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