

Schedule

Pacific Lab Services
Zagro Global Hub
5 Woodlands Terrace
5th Floor East Wing
Singapore 738430

Certificate No. : LA-1997-0105-A

Issue No. : 20

Date : 08 August 2018

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FIELD OF TESTING : Chemical and Biological Testing

MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
A Food and Beverage / Feed	<ol style="list-style-type: none"> 1. Crude Protein / Nitrogen 2. Crude Fat 3. Total Fat 4. Moisture 5. Ash 6. Vitamin A 7. Vitamin C 8. Vitamin E 9. Cholesterol 10. Heavy Metals & Metals <ul style="list-style-type: none"> • As, Cu, Hg & Pb • Fe, Na, Ca, As, Be, Ti, Cd, Co, Cr, Cu, Li, Mg, Mn, Mo, Ni, Pb, Sb, Ag, Tl, V, Zn, Al, K, B, Ba, Si, Se, Sn, Hg 11. Fat in Dairy Products 12. Fatty Acids, Trans Fat, Saturated & Unsaturated Fat in lipids 13. Melamine by GCMS and HPLC 14. Total Dietary Fibre 	<p>Pacific Lab Method 2.1, Issued 22/5/17</p> <p>Pacific Lab Method 2.3, Issued 28/10/16</p> <p>Pacific Lab Method 2.4a, Issued 11/12/15</p> <p>Pacific Lab Method 2.7, Issued 29/11/17</p> <p>Pacific Lab Method 2.8, Issued 29/11/17</p> <p>Pacific Lab Method 3.2, Issued 29/11/17</p> <p>Pacific Lab Method 3.12, Issued 20/12/10</p> <p>Pacific Lab Method 3.14 & 3.14a, Issued 23/12/13</p> <p>Pacific Lab Method 14.2a, Issued 24/12/12</p> <p>Pacific Lab Method 4.3a, Issued 23/12/09</p> <p>Pacific Lab Method 4.3b, Issued 26/09/14</p> <p>AOAC 905.02 and AOAC 932.06</p> <p>AOAC 996.06</p> <p>Pacific Lab Method 27.9, Issued 30/11/17</p> <p>AOAC 985.29</p>

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B Premix	15. Benzoic acid, Sorbic acid and Paraben by HPLC	Pacific Lab Method 12.17, Issued 05/04/10
	16. Sugars Reducing and Non Reducing	Pacific Lab method 2.11, Issued 19/12/12
	17. Determination of Alcohol in Wines, Beer, Juice and Food	Pacific Lab method 25.9, issued 07/04/16
	18. Determination of Sulphur dioxide (Tanner's method)	Pacific Lab method 12.8, issued 27/10/16
	19. Determination of Propionic acid, Formic acid, Acetic acid and Lactic acid	Pacific Lab Method 12.2, Issued 12/10/17
	20. Determination of L-ascorbyl-2-monophosphate	Pacific Lab Method 3.23, Issued 20/6/17
	21. Determination of Vitamin B1, B2, B3 (Niacin, Niacinamide) and B6	Pacific Lab Method 3.15a, Issued 20/6/17
	22. Determination of Vitamin D3	Pacific Lab Method 3.13a, Issued 10/10/17
	1. Moisture	Pacific Lab Method 2.7, Issued 29/11/17
	2. Ash	Pacific Lab Method 2.8, Issued 29/11/17
	3. Vitamin A	Pacific Lab Method 3.2, Issued 29/11/17
	4. Vitamin E	Pacific Lab Method 3.14, Issued 23/12/13
	5. Heavy Metals & Metals Fe, Na, Ca, As, Be, Cd, Co, Cr, Cu, Li, Mg, Mn, Mo, Ni, Pb, Sb, Ag, Ti, Tl, V, Zn, Al, K, B, Ba, Si, Se, Sn, Hg	Pacific Lab Method 4.3b, Issued 26/09/14
	6. Niacin & Niacinamide	Pacific Lab Method 3.19a, Issued 11/12/15
	7. Vitamin B2	Pacific Lab method 3.5, Issued 11/12/15
	8. Determination of L-ascorbyl-2-monophosphate	Pacific Lab Method 3.23, Issued 20/6/17

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MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
C Health Supplements / Chinese medicines	9. Determination of Propionic acid, Formic acid, Acetic acid and Lactic acid	Pacific Lab Method 12.2, Issued 12/10/17
	1. Heavy Metals & Metals As, Cu, Hg & Pb Fe, Na, Ca, As, Be, Cd, Co, Cr, Cu, Li, Mg, Mn, Mo, Ni, Pb, Sb, Ag, Ti, Tl, V, Zn, Al, K, B, Ba, Si, Se, Sn, Hg	Pacific Lab Method 4.3a, Issued 23/12/09 Pacific Lab Method 4.3b, Issued 26/09/14
	2. Sugars Reducing and Non Reducing	Pacific Lab Method 2.11, Issued 19/12/12
	3. Determination of Alcohol in Wines, Beer, Juice and Food	Pacific Lab method 25.9, issued 07/04/16
D Pesticide	4. Determination of Sulphur dioxide (Tanner's method)	Pacific Lab method 12.8, issued 27/10/16
	1. Diazinon	Pacific Lab Method 26.4, Issued 26/12/12
E Premix, Food and Feed (Microbiology)	1. Aerobic Plate Count	} 3M, Petrifilm
	2. Rapid Aerobic Plate Count	
	3. Coliform Plate Count	
	4. E.coli and Coliform Plate Count	
	5. Rapid Coliform Count	
	6. Enterobacteriaceae Plate Count	
	7. Lactic Acid Bacteria Plate Count	
	8. Yeast and Mold Plat Count	
	9. Rapid Yeast and Mold Plate Count	
	10. Count	
	11. Staphylococcus Plate Count	
	12. Salmonella Identification	

Approved Signatories

Dr Ong Pei Thing	– For All Accredited Chemistry Tests
Ms Loh Chin Yen	– For All Accredited Chemistry Tests
Mr Darren Ding Teck Yuen	– For All Accredited Chemistry Tests except Melamine (A13) & Diazinon (D1) tests
Dr Ekachai Jenwitheesuk	– For All Accredited Microbiology Tests
Mr Raja Vadivel	– For All Accredited Microbiology Tests

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Note:

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. A laboratory's fulfilment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and **management system requirements** that are necessary for it to consistently deliver technically valid test results. The **management system requirements** in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001.