 T & T BORNEO LABORATORY SDN. BHD. 202401003698 (1549548-T)	Supporting Document	Document No.: SD 08-001
		Revision No.: 6
		Effective Date: 10-03-2025
		Page No.: 1 of 2
Title : Analysis Request Form-Industry		

Company:				Company registration no.:	
Address:					
Contact Person:		Tel:		Email:	

SAMPLE DESCRIPTIONS

No.	Sample Marking	Lab. No.
1		
2		
3		
4		
5		
6		
7		

Food	Test Method
Protein	In house method based on AOAC 2001.11 (2010)
Fat (Crude) (*for solid)	In house method based on AOAC 920.39 (2010)
Total Fat (*for liquid)	In house method based on AOAC 989.05 (2011)
Fat (*for dairy)	AOAC 989.05 (2010)
Available Carbohydrate & Energy	Guide to Nutrition Labelling & Claims pg 18 (2010)
Calories from fat	
Cholesterol	In house method based on JAOAC Vol. 78, No. 6 (1995)
Moisture	In house method based on AOAC 984.25 (2010)
Ash	In house method based on AOAC 923.03 & AOAC 940.26 (2010)
Total Sugar	In house method based on AOAC 968.28
Added sugar (as Sucrose)	
Total Dietary Fiber	In house method based on AOAC 985.29
Salt	AOAC 960.29 (2011)
Sodium	In house method based on AOAC 968.08 (2005)
Potassium	
Calcium	
Magnesium	
Copper	
Iron	
Phosphorus	In house method based on AOAC 965.17 (2005)
Arsenic	In house method based on AOAC 971.21 (2005)
Mercury	
Lead	In house method based on AOAC 999.11 (2005)
Cadmium	
Antimony	In house method based on AOAC 985.01(2005)
Tin	
Sulphur Dioxide	Buchi Application Note No. 229/2016
Benzoic Acid	In house method based on AOAC 994.11
Sorbic Acid	
Alcohol Content	In house method based on J.Chem. Metrol. (2013) 7-9
Vitamin C	Journal of Liquid Chromatography & Related Technologies, 24:7, 1015-1020 (2001)
Vitamin A	GB 5413.9-2010
Vitamin D	
Vitamin E	
pH*	AOAC 943.02

Fatty Acid Composition	Test Method
Monosaturated Fat	In house method based on AOAC 996.06
Saturated Fat	
Polyunsaturated Fat	
Trans Fatty Acid	
Total Omega 3	
Total Omega 6	
Total Omega 9	
EPA	
DHA	
ALA	

Palm Oil	Test Method
FFA	MPOB p2.5: 2004
Iodine Value	MPOB p3.2: 2004
Peroxide Value	MPOB p2.3: 2004
Moisture & Volatile Matter	MPOB p2.1 Part 1: 2004
DOBI	MPOB P2.9:2004
Unsaponifiable Matter	AOCS Ca 6a-40
Moisture & Impurities *	MPOB p2.1 & p2.2 Part 1: 2004

Fertilizer	Test Method
Magnesium (as MgO)	MS 417: Part 6: 2020
Calcium (as CaO)	MS 417:Part 8: 1997
Ash	MS 417:Part 2: 1994
Potassium (as K ₂ O)	MS 417: Part 5: 2020
Phosphorus	MS 417: Part 4: 2020
Moisture	MS 417:Part 2: 1994, Method 1
Nitrogen	In House method based on Buchi Application Note 041/2010
Total Organic Matter	By calculation

Soil	Test Method
pH value	MS 2457:2012
Conductivity	MS 2458:2012
Total Organic Carbon	MS 2469:2012
C:N ratio	In house method based on TM TT-FT02005 and MS 2469:2012
Nitrogen	In House method based on Buchi Application Note 041/2010

Pesticides	Test Method
Organochlorine	
Organophosphate#	

Microbiology (Food)	Test Method
Total Plate Count	AOAC 966.23 (2005)
Coliform Count (MPN/g)	AOAC 966.24 (2005)
<i>E.coli</i> Count (MPN/g)	AOAC 966.24 (2005)
Coliform Count (CFU/g)	AOAC 998.08 (2005)
<i>E.coli</i> Count (CFU/g)	AOAC 998.08 (2005)
<i>Staphy. aureus</i> Count	AOAC 975.55 (2005)
Detection of <i>Salmonella</i>	AOAC 995.20 (2005)
Yeast & mould Count	FDA BAM Chapter 18 (2001)
Yeast & mould Count (Petrifilm)	AOAC 997.02 (2005)
<i>Lactobacillus</i> Count	In house method based on Merck Microbiology Manual 12th Edition (2010)
Detection of <i>Listeria</i> spp. and <i>Listeria monocytogenes</i> spp.	FDA BAM Chapter 10 (2017)
<i>Campylobacter</i> spp. Count	ISO 10272-2:2017
<i>Bacillus cereus</i> count	FDA BAM Chapter 14 (2020)
Coliform & <i>E.coli</i> Count (Rapid Petrifilm)	AOAC 2018.13 (2018)
Detection of <i>Vibrio cholera</i> *	FDA BAM Chapter 9 (2004)
<i>Vibrio parahaemolyticus</i> Count (MPN/g)*	FDA BAM Chapter 9 (2004)
Enterobacteriaceae count (Petrifilm)*	AOAC 2003.01


Air sampling	Test Method
Total Plate Count	In house method based on Compendium of Methods For the Microbiological Examination of Foods, 5 th Ed (2015)
Total Yeast & Mould Count	

Surface swab, Hand swab	Test Method
Total Plate Count	In house method based on Compendium of Methods For the Microbiological Examination of Foods, 5 th Ed (2015)
Total Yeast & Mould Count	
Coliform Count	
<i>E.coli</i> Count	
<i>Staphy. aureus</i> count	
Detection of <i>Salmonella</i> spp.	
Detection of <i>Listeria</i> spp.	
Enterobacteriaceae Count *	
Lactic Acid Count*	
<i>Pseudomonas</i> spp. Count*	

Shelf Life Test	Frequency
Accelerated	
Real time	

Nutritional Fact Package

M'sia
USA
Singapore

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Water	Test Method
pH	APHA 4500-H+ B
BOD 3 days	DOE, 2019 Alternative Method
BOD 5 days	APHA 5210 B, APHA 4500-O G
Total Solid	APHA 2540 B
Total Suspended Solid	APHA 2540 D
Total Dissolved Solid	APHA 2540 C
COD	APHA 5220 C
Free chlorine	APHA 4500-C ⁺ G
Colour (TCU)	APHA 2120 B
Colour (ADMI)	APHA 2120 F
Nitrate (NO ₃ ⁻)	APHA 4500 NO ₃ B
Nitrite (NO ₂ ⁻)	APHA 4500 NO ₂ B
Total Kjeldahl Nitrogen	APHA 4500 Norg B
Oil & Grease	APHA 5520 B
Ammoniacal Nitrogen	APHA 4500 NH ₃ B & C
Conductivity	APHA 2510 B
Total Alkalinity	APHA 2520 B
Turbidity	APHA 2130 B
Fluoride	APHA 4500-F D
Cyanide	APHA 4500 CN E
Temperature	APHA 2550 B
Sulphate	APHA 4500-SO ₄ ²⁻ E
Phenol	APHA 5530 B & D
Salinity	APHA 2520 B
Chloride	APHA 4500 Cl B
Chromium Hexavalent	APHA 3500-Cr B
Chromium Trivalent	In house method based on APHA 3500-Cr B, APHA 3120 B & HACH DOC 316.53.01035

Minerals		Test Method
	Aluminium	APHA 3120 B
	Antimony	
	Barium	
	Boron	
	Cadmium	
	Chromium	
	Copper	
	Iron	
	Lead	
	Magnesium	
	Manganese	
	Nickel	
	Selenium	
	Silver	
	Sodium	
	Zinc	
	Potassium	APHA 3111 B
	Hardness (as CaCO ₃)	
	Mercury	
	Arsenic	

Package Test
DW 25 th Schedule
DW 25 th A Schedule
Wastewater Standard A
Wastewater Standard B

Microbiology (Water)	Test Method
Total Heterotrophic Plate Count	APHA 9215 B (2012)
Total Heterotrophic Plate Count (Membrane Filtration)	APHA 9215 D (2012)
Total Coliform Count (MPN)	APHA 9221 B (2012)
<i>E.coli</i> count (MPN)	APHA 9221 B & 9221 F (2012)
Fecal <i>Enterococcus</i> / <i>Streptococcus</i> Count (MPN)	APHA 9230 B (2012)
<i>Pseudomonas aeruginosa</i> Count	APHA 9213 E (2012)
<i>Clostridium perfringens</i> Count	ISO 14189 (2013)
Sulfite-reducing Anaerobes (<i>Clostridia</i>) Count	ISO 6461/2 (1986)
Detection of <i>Legionella</i> spp.	AS/NZS 3896:2008

Other test(s) not listed above (* attach a list with detail request if space is insufficient)

No.	Test	Test Method

Other request:

- Is the Statement of Conformity required? ☐ Yes ☐ No (If yes, attach the Request for Statement of Conformity)
- Additional instructions: (e.g. quality control requirements, type of document required, mode of delivery etc.)

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I acknowledge and agree to my request above.

Signature

Date

- Any test(s) to be analyzed by the external provider? ☐ Yes ☐ No

I acknowledge and accept the test(s) above is to be analyzed by an external laboratory.

Signature

Date

FOR LABORATORY USE ONLY

Sample Condition:	Fine / Not fine	Temperature/pH:	
Comments:			
PO No.:		Quotation No.:	

Received
by:

Signature

Date

Time

Reviewed and
approved by:

Signature

Date

Note: For a new customer, fill out the New Customer/External Provider Impartiality and Confidentiality Declaration Form (Doc. No. SD 01-004) otherwise fill out the Disclosure of Conflict of Interest Form (Doc. No.: SD 01-003) if a potential risk of impartiality is identified.