ANALYTICAL BIOCHEMISTRY RESEARCH CENTRE (ABrC)
Bangunan Inkubator Inovasi Universiti, Kampus SAINS@USM,
Lebuh Bukit Jambul, 11900 Bayan Lepas, Pulau Pinang, Malaysia
Tel.: +6 04-653 6828
Email: abrc_customerservice@usm.my

ANALYSIS REQUEST FORM
FOOD TESTING

PART A: DETAILS OF REQUESTING CUSTOMER		
Name		Address
Company		
Email		
Tel. No.		

PART B: RECIPIENT OF TEST REPORT/CERTIFICATE OF ANALYSIS (COA)	
Email address i) _____ ii) _____	Name of authorized representative i) _____ ii) _____

Method of delivery for hard copy of COA *(upon request)*:

☐ Self-pick up

☐ Courier (*Additional courier charge applies*)

Details for Delivery: ☐ Same as PART A

☐ Other

Name		Address
Company		
Tel. No.		

PART C: DETAILS ON COA (*If different from Part A*)	
Company	
Address	

PART D: ANALYSIS DETAILS

Refer Table 1 on page 2 for sample type and code of analysis.

No	Sample ID on the COA	Batch No.	Sample Type	Code of Analysis Requested	TAT* (Tick if urgent)
1					☐
2					☐
3					☐
4					☐
5					☐

*Urgent request is only applicable for Analysis of Aristolochic Acid (5 working days) with an additional 50% surcharge.

PART E: RECIPIENT OF INVOICE		
Name		Address
Position		
Email		
Tel. No.		

PART F: DECLARATION

I hereby agree with the terms and conditions listed on Page 2 of 2.

Name		Signature and Stamp
Email		
Date		

For ABrC Use Only

Approval *(sign and initial)*		Date	

TERMS AND CONDITIONS

1. All information obtained from the customer will be treated as private and confidential.
2. All sections of the Analysis Request Form (ARF) (Part A to Part F) must be completed. The analysis will not be conducted if the ARF is incomplete.
3. The request for analysis will be rejected if the minimum weight of sample is insufficient.
4. An additional 50% surcharge will be applied to an urgent request (only applicable for Analysis of Aristolochic Acid).
5. The COA issued is subjected only to the sample received.
6. COA will be emailed to the customer. Hard copy of COA will only be given upon request and additional courier charges apply. A written request is required to reprint the COA and RM 30 will be charged for each copy.
7. Invoice will be emailed to the customer. Full payment should be made within TAT, prior to the submission of COA. The COA will be on hold until full payment has been made.
8. Sample(s) will be retained for a maximum of 3 months following the issuance of COA (5 months for MOH). Samples can be returned to the customer upon request and cost of handling, packaging and shipping will be applied.
9. Sample(s) will be analysed according to the Test Method mentioned in Table 1. Notification will be given if there are any changes to the mentioned test method.

Table 1: Details of Analysis.

Code	Analysis	Test Method				Sample Min. weight	TAT (working days)
		ID	Details	Sample Type	Decision Rule		
FM1	3- MCPD	LTM 09 (in-house method)	Solid-phase extraction with GC-MS analysis (dry matter: moisture analyzer or oven)	Soy sauce, seasoning powder, caramel, maltodextrin, glucose	Concentration = Concentration > LOQ + MU Not detected = Concentration ≤ LOQ + MU Where, LOQ = 10 µg/kg	50 g	7
FM2	3-MCPD with Dry Matter						
FM3	3-MCPD with 40% Dry Matter						
FH1	Polyaromatic Hydrocarbon (PAH)	LTM 10 (in-house method)	Accelerated solvent extraction with GC-MS analysis	Fish	Detected = Concentration > Max. Level + MU Not detected = Concentration ≤ Max. Level + MU Where, Maximum Level is either 2 µg/kg or 5 µg/kg depending on analyte	500 g	14
FH2	PAH - Benzo (a) Pyrene only						
FR	Steroids	LTM 11 (in-house method)	Enzyme hydrolysis and solid-phase extraction with LC-MS/MS analysis	Fish	Detected = Concentration ≥ 1 µg/kg Not detected = Concentration < 1 µg/kg	500 g	14
FS	Stilbenes						
FD	Steroids & Stilbenes[1]	LTM 12 (in-house method)	Solid-phase extraction with LC-MS/MS analysis	Feed	Detected = Concentration ≥ 100 µg/kg Not detected = Concentration < 100 µg/kg	100 g	14
FJ	Growth Promoter[1]	LTM 13 (in-house method)	Solid-phase extraction with LC-MS/MS analysis	Feed	Detected = Concentration ≥ 100 µg/kg Not detected = Concentration < 100 µg/kg	100 g	14
FA	Aristolochic Acid [2]	LTM 17 (in-house method)	Liquid-liquid extraction with LC-MS/MS analysis	Powder, pills, liquid, root	Detected = Concentration > LOD Not detected = Concentration ≤ LOD Where, LOD = 175 µg/kg (AA-I, powder), 200 µg/kg (AA-II, powder), 50 µg/kg (AA-I, liquid), 25 µg/kg (AA-II, liquid), 500 µg/kg (AA-I and AA-II, root)	50 g	10
FQ	Glucocorticosteroids[1,2]	LTM 20 (in-house method)	Liquid-liquid extraction with LC-MS/MS analysis	Powder, pills, liquid	Detected = Concentration ≥ 100 µg/kg Not detected = Concentration < 100 µg/kg	50 g	14
FW	Aflatoxins[1]	LTM 30 (in-house method)	Dispersive liquid-liquid micro-extraction with LC-MS/MS analysis	Rice	Concentration = Concentration ≥ LOQ + MU Not Detected = Concentration < LOQ +MU Where LOQ = 0.5 µg/kg (Aflatoxin B1 and G1), 0.25 µg/kg (Aflatoxin B2 and G2)	50 g	14

Abbreviation

GC-MS: Gas Chromatography Mass Spectrometry
LC-MS/MS: Liquid Chromatography Tandem Mass Spectrometry
LOD: Limit of Detection
LOQ; Limit of Quantification
MU: Measurement Uncertainty
Max.: Maximum
Min.: Minimum

Note:

[1] The analysis (or analytes) is not covered under the scope of accreditation, but the procedures are outlined in accordance with the requirements under MS ISO/IEC 17025:2017
[2] Sample analysis does not include the capsules.