

**Differential Scanning Calorimeter (DSC)****Month: Jan 2017**

| <b>Bil.</b> | <b>Type Of Analysis</b> | <b>Gas</b>                      | <b>Run Time / Method</b> | <b>Total Run Time (Min)</b>       | <b>Schedule (Date/Month)</b> |
|-------------|-------------------------|---------------------------------|--------------------------|-----------------------------------|------------------------------|
| 1.          | Gelatin/collagen        | Purified Nitrogen 99.9999% (N2) | 10 - 60°C<br>(2°C/min)   | 50 – 60 min<br>(8 sample per day) | 4-8 Julai 2016               |
| 2.          | Starch/rice             | Purified Nitrogen 99.9999% (N2) | 5 – 85°C<br>(5°C/min)    | 50 – 60 min<br>(8 sample per day) | 11-15 Julai 2016             |
| 3.          | Oil Base                | Purified Nitrogen 99.9999% (N2) | -70 – 70°C<br>( 5°C/min) | 50 – 60 min<br>(8 sample per day) | 18-22 Julai 2016             |
| 4.          | Meat Base               | Purified Nitrogen 99.9999% (N2) | -70 – 70°C<br>(5°C/min)  | 50 – 60 min<br>(8 sample per day) | 25-29 Julai 2016             |

**Month: Feb 2017**

| <b>Bil.</b> | <b>Type Of Analysis</b> | <b>Gas</b>                      | <b>Run Time / Method</b> | <b>Total Run Time (Min)</b>       | <b>Schedule (Date/Month)</b> |
|-------------|-------------------------|---------------------------------|--------------------------|-----------------------------------|------------------------------|
| 1.          | Gelatin/collagen        | Purified Nitrogen 99.9999% (N2) | 10 - 60°C<br>(2°C/min)   | 50 – 60 min<br>(8 sample per day) | 1-5 Ogos 2016                |
| 2.          | Starch/rice             | Purified Nitrogen 99.9999% (N2) | 5 – 85°C<br>(5°C/min)    | 50 – 60 min<br>(8 sample per day) | 10-12 Ogos 2016              |
| 3.          | Oil Base                | Purified Nitrogen 99.9999% (N2) | -70 – 70°C<br>( 5°C/min) | 50 – 60 min<br>(8 sample per day) | 15-19 Ogos 2016              |
| 4.          | Meat Base               | Purified Nitrogen 99.9999% (N2) | -70 – 70°C<br>(5°C/min)  | 50 – 60 min<br>(8 sample per day) | 22-26 Ogos 2016              |

**Month: March 2017**

| <b>Bil.</b> | <b>Type Of Analysis</b> | <b>Gas</b>                                   | <b>Run Time / Method</b> | <b>Total Run Time (Min)</b>       | <b>Schedule (Date/Month)</b> |
|-------------|-------------------------|--|--------------------------|-----------------------------------|------------------------------|
| 1.          | Gelatin/collagen        | Purified Nitrogen 99.9999% (N <sub>2</sub> ) | 10 - 60°C<br>(2°C/min)   | 50 – 60 min<br>(8 sample per day) | 1-4 Sept 2016                |
| 2.          | Starch/rice             | Purified Nitrogen 99.9999% (N <sub>2</sub> ) | 5 – 85°C<br>(5°C/min)    | 50 – 60 min<br>(8 sample per day) | 7-11 Sept 2016               |
| 3.          | Oil Base                | Purified Nitrogen 99.9999% (N <sub>2</sub> ) | -70 – 70°C<br>( 5°C/min) | 50 – 60 min<br>(8 sample per day) | 14-18 Sept 2016              |
| 4.          | Meat Base               | Purified Nitrogen 99.9999% (N <sub>2</sub> ) | -70 – 70°C<br>(5°C/min)  | 50 – 60 min<br>(8 sample per day) | 21-25 Sept 2016              |

**Bulan: April 2017**

| <b>Bil.</b> | <b>Type Of Analysis</b> | <b>Gas</b>                                   | <b>Run Time / Method</b> | <b>Total Run Time (Min)</b>       | <b>Schedule (Date/Month)</b> |
|-------------|-------------------------|--|--------------------------|-----------------------------------|------------------------------|
| 1.          | Gelatin/collagen        | Purified Nitrogen 99.9999% (N <sub>2</sub> ) | 10 - 60°C<br>(2°C/min)   | 50 – 60 min<br>(8 sample per day) | 4-8 Okt 2016                 |
| 2.          | Starch/rice             | Purified Nitrogen 99.9999% (N <sub>2</sub> ) | 5 – 85°C<br>(5°C/min)    | 50 – 60 min<br>(8 sample per day) | 11-15Okt 2016                |
| 3.          | Oil Base                | Purified Nitrogen 99.9999% (N <sub>2</sub> ) | -70 – 70°C<br>( 5°C/min) | 50 – 60 min<br>(8 sample per day) | 18-22 Okt 2016               |
| 4.          | Meat Base               | Purified Nitrogen 99.9999% (N <sub>2</sub> ) | -70 – 70°C<br>(5°C/min)  | 50 – 60 min<br>(8 sample per day) | 25-29 Okt 2016               |

**Bulan: May 2017**

| <b>Bil.</b> | <b>Type Of Analysis</b> | <b>Gas</b>                                   | <b>Run Time / Method</b> | <b>Total Run Time (Min)</b>       | <b>Schedule (Date/Month)</b> |
|-------------|-------------------------|--|--------------------------|-----------------------------------|------------------------------|
| 1.          | Gelatin/collagen        | Purified Nitrogen 99.9999% (N <sub>2</sub> ) | 10 - 60°C<br>(2°C/min)   | 50 – 60 min<br>(8 sample per day) | 3-6 Nov 2016                 |
| 2.          | Starch/rice             | Purified Nitrogen 99.9999% (N <sub>2</sub> ) | 5 – 85°C<br>(5°C/min)    | 50 – 60 min<br>(8 sample per day) | 9-13 Nov 2016                |
| 3.          | Oil Base                | Purified Nitrogen 99.9999% (N <sub>2</sub> ) | -70 – 70°C<br>( 5°C/min) | 50 – 60 min<br>(8 sample per day) | 16-20 Nov 2016               |
| 4.          | Meat Base               | Purified Nitrogen 99.9999% (N <sub>2</sub> ) | -70 – 70°C<br>(5°C/min)  | 50 – 60 min<br>(8 sample per day) | 23-27 Nov 2016               |

**Bulan: Jun 2017**

| <b>Bil.</b> | <b>Type Of Analysis</b> | <b>Gas</b>                      | <b>Run Time / Method</b> | <b>Total Run Time (Min)</b>       | <b>Schedule (Date/Month)</b> |
|-------------|-------------------------|---------------------------------|--------------------------|-----------------------------------|------------------------------|
| 1.          | Gelatin/collagen        | Purified Nitrogen 99.9999% (N2) | 10 - 60°C<br>(2°C/min)   | 50 – 60 min<br>(8 sample per day) | 1-3 Dis 2016                 |
| 2.          | Starch/rice             | Purified Nitrogen 99.9999% (N2) | 5 – 85°C<br>(5°C/min)    | 50 – 60 min<br>(8 sample per day) | 6-10 Dis 2016                |
| 3.          | Oil Base                | Purified Nitrogen 99.9999% (N2) | -70 – 70°C<br>( 5°C/min) | 50 – 60 min<br>(8 sample per day) | 13-17 Dis 2016               |
| 4.          | Meat Base               | Purified Nitrogen 99.9999% (N2) | -70 – 70°C<br>(5°C/min)  | 50 – 60 min<br>(8 sample per day) | 27-30 Dis 2016               |

*\* Please provide your own aluminum pan 40µl with lid & standby (as back up) Gas Purified Nitrogen for doing analysis before running.*

*\*Autosampler (Sample Robot) = 34 pans (only for Aluminum pan without pin)*

**Policy** – (1) All samples **MUST** be delivered to staff in-charge before 9.00 am of the actual date. No late delivery will be accepted.

(2) All required documents are completed

(3) Results of analysis could be obtained on the next day.

(4) IPPH has the right to accommodate any unavoidable changes deem necessary

**All enquiries please contact:**

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