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|-------------------|-------------------------------------|
| Company: | Flavour Art North America Inc. |
| Sample Condition: | Samples received in good condition. |
| Notes: | Chain of custody verified. |

| Method / Parameter | Analyte(s) |
|--------------------|---------------------------------------------|
| GC/MS Analysis | Diacetyl |
| | 2,3-Pentanedione (aka: Acetyl propionyl) |

Summary of Method:

A measured volume of sample is combined with a volume of acetonitrile. A known amount of internal standard (Butanedione-d6) is added and the vial is capped and mixed thoroughly to combine. An aliquot is then analyzed quantitatively against a linear calibration curve using a GC/MS equipped with a mass selective detector. In this analysis, the limit of detection is 1.13 ug/mL for 'Diacetyl' and 1.22 ug/mL for '2,3-Pentanedione'.

| | | | |
|------------|--------------------------------|--------------------|-------------------|
| Company | Flavour Art North America Inc. | # Samples | 1 |
| Analyst | JM | Sample(s) Received | 7/1/15 |
| Parameters | GC/MS Analysis | Client Project: | FANA Batch 1 2015 |
| Job # | 0715-502 | | |

| Enthalpy Code | Sample Name | Notes | Diacetyl (ug/mL) | 2,3-Pentanedione (ug/mL) |
|---------------|---------------|-------|------------------|--------------------------|
| 0715-502-32 | Passion Fruit | | Not Detected | Not Detected |

QC Notes:

'Diacetyl' and '2,3-Pentanedione' were not detected above the minimum detection limit.

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized.

This analytical report was prepared in Portable Document Format (.PDF) and contains 1 page.

Report Issued: 7/21/2015



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