



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)
0715-502-02	Stark Apple		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.

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**Enthalpy Analytical, Inc.**

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