



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)
0715-502-121	Tuscan Blend	-	2.13 J	Not Detected

QC Notes:

'2,3-Pentanedione' was not detected above the minimum detection limit.

J: Results are below the Lower Curve Limit, above the MDL, and are considered estimates.

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: 7/22/2015

**Enthalpy Analytical, Inc.**

Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive Durham, NC 27713-4385