

# WeVapor

618 Wilkerson Road  
Rock Hill, SC 29730

## Carbonyl Assay

Samples Received 8/24/15

### Product Name

*Watermelon*

### Analysis Report

(0815-574)

#### GC/MS Analysis For:

Diacetyl

2,3-Pentanedione (aka: Acetyl propionyl)

Acetoin (aka: 3-Hydroxy-2-Butanone)



#### Enthalpy Analytical, Inc.

Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / [www.enthalpy.com](http://www.enthalpy.com)

800-1 Capitola Drive Durham, NC 27713-4385



Company: WeVapor
Sample Condition: Samples received in good condition.
Notes: Chain of custody verified.

Method / SOP	Analytes
ENT225	Diacetyl
	2,3-Pentanedione (aka: Acetyl propionyl)
	Acetoin (aka: 3-Hydroxy-2-Butanone)

**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 1.07 ug/mL for '2,3-Pentanedione' and 1.92 ug/mL for 'Acetoin'.

Company	WeVapor
Analyst	JM
Instrument Type	GC/MS
Project Code	0815-574

Cert Report #	0815-574
# Samples	1
Date Received	8/24/15
Client Project	na

Enthalpy Code	Sample Name	Brand	Diacetyl (ug/mL)	2,3-Pentanedione (ug/mL)	Acetoin (ug/mL)
0815-574-05	Watermelon	Roxwell	Not Detected	Not Detected	Not Detected

**QC Notes:**

None.

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 2 pages.

Report Issued: 9/11/2015



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