

WeVapor

618 Wilkerson Road
Rock Hill, SC 29730

Carbonyl Assay

Samples Received 8/24/15

Product Name
Classic

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

800-1 Capitola Drive Durham, NC 27713-4385



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|---|
| 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 | Cert Report # | 0815-574 |
| Analyst | JM | # Samples | 1 |
| Instrument Type | GC/MS | Date Received | 8/24/15 |
| Project Code | 0815-574 | Client Project | na |

| Enthalpy Code | Sample Name | Brand | Diacetyl (ug/mL) | 2,3-Pentanedione (ug/mL) | Acetoin (ug/mL) |
|---------------|-------------|---------|------------------|--------------------------|-----------------|
| 0815-574-04 | Classic | 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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