

# Pink Spot Vapors

6485 N Decatur Blvd #180

Las Vegas, NV 89131

Carbonyl Assay  
Samples Received 6/30/15

Product Name

*Tobacco A - Peel*

Analysis Report  
(0615-567)

GC/MS Analysis For:

Diacetyl

2,3-Pentanedione (aka: Acetyl propionyl)



**Enthalpy Analytical, Inc.**

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|                   |                                     |
|-------------------|-------------------------------------|
| Company:          | Pink Spot Vapors                    |
| Sample Condition: | Samples received in good condition. |
| Notes:            | Chain of custody verified.          |

| Method / SOP | Analyte(s)   |
|--------------|--|
| ENT225       | Diacetyl   |
|              | 2,3-Pentanedione<br><i>(aka: Acetyl propionyl)</i> |

**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'.

|                 |                  |                |           |
|-----------------|------------------|----------------|-----------|
| Company         | Pink Spot Vapors | Cert Report #  | 0815-501R |
| Analyst         | JM               | # Samples      | 1         |
| Instrument Type | GC/MS            | Date Received  | 6/30/15   |
| Project Code    | 0615-567         | Client Project | na        |

| Enthalpy Code | Sample Name    | Brand            | Diacetyl (ug/mL) | 2,3-Pentanedione (ug/mL) |
|---------------|----------------|------------------|------------------|--------------------------|
| 0615-567-12   | Tobacco A-Peel | Pink Spot Vapors | Not Detected     | 2.91 J                   |

**QC Notes:**

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

This report 0815-501R replaces report 0615-567 issued on 8/5/15 due to sample name update.

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: 9/9/2015



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