

# Drip Club

2540 Corporate Place, Suite B103  
Monterey Park, CA 91754

## Carbonyl Analysis

Samples Received: 7/16/2015

Analytical Report  
(0715-552A)

***GC/MS Analysis (ENT225)***

Diacetyl

2,3-Pentanedione (aka Acetyl propionyl)



**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

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 9 pages.

Report Issued: 8/11/2015



# Summary of Results



Report for: Drip Club  
Client Project: na

Project Code: 0715-552  
Project Start Date: 7/16/15  
Analysis Method: GC/MS Analysis

**Concentrations, ug/mL**

<b>Enthalpy Code</b>	<b>Client Sample ID</b>	<b>Diacetyl</b>	<b>2,3- Pentanedione #</b>
0715-528-01	ANML-Looper 6mg	2.33 J	97.5
0715-528-02	ANML-Carnage 6mg	< 1.13 ND	< 1.07 ND

#: Pentanedione is also known as acetyl propionyl.

ND: Non Detect or analytical result below the MDL and is less than (<) the reported value.

J: Result is below the lower curve limit & above the MDL and is considered estimated value.

# Narrative Summary



## Enthalpy Analytical Narrative Summary

<b>Company</b>	Drip Club
<b>Analyst</b>	JM
<b>Parameters</b>	GC/MS Analysis

<b>Client Proj</b>	na
<b>Job #</b>	0715-552A
<b># Samples</b>	2 e-Liquids

<b>Custody</b>	<p>Summer Mims received the samples on 7/16/15 after being relinquished by Drip Club. The samples were received at ambient temperature and in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, Inc.</p>
<b>Analysis</b>	<p>The samples were analyzed for diacetyl and 2,3-pentanedione (aka acetyl propionyl) following the analytical procedures in Enthalpy SOP ENT225.</p> <p>A measured volume of sample was combined with a measured volume of acetonitrile. A measured amount of internal standard (butanedione-d6) was added and the vial capped and mixed thoroughly to combine. An aliquot was then analyzed quantitatively against a linear calibration curve using a GC/MS.</p> <p>The Agilent Technologies Model 7890A Gas Chromatograph, "Impa," was equipped with a 5975C Mass Selective Detector and an appropriate column for these analyses.</p>
<b>QC Notes</b>	<p>Quality control samples for this project met all acceptance criteria unless otherwise noted.</p>
<b>Reporting Notes</b>	<p>Sample and calibration curve chromatograms are available upon request.</p> <p>The results presented in this report are representative of the samples as provided to the laboratory.</p>



**This Is The Last Page  
Of This Report.**

