



Company: Premium Liquid Labs
Sample Condition: Samples received in good condition.
Notes: Chain of custody verified.

Method / SOP	Analytes
HPLC/UV / ENT301	Diacetyl

**Summary of Method:**

An aliquot of e-Liquid or e-Liquid flavor is derivatized with 2,4-dinitrophenylhydrazine (DNPH). After the derivatization reaction is complete, samples are neutralized with pyridine and analyzed via HPLC/UV.

<b>Limit of Quantitation (LOQ), ug/mL</b>	3.94
<b>Minimum Detection Limit (MDL), ug/mL</b>	2.26

Company	Premium Liquid Labs	Cert Report #	0516-560
Analyst	ABP	# Samples	1
Instrument Type	HPLC/UV	Date Received	1/12/16
Project Code	0116-534	Client Project	ECTA

Enthalpy Code	Sample Name	Notes	Diacetyl (ug/mL)
0116-534-09	Atlantis 0mg	Decoded	Not Detected

**QC Notes:**

Not Detected: Analytical result was not detected above the Minimum Detection Limit (MDL).

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. If you have trouble viewing this document's electronic signature, please open in Adobe Acrobat.

Report Issued: 5/25/2016



**Enthalpy Analytical, Inc.**

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

