

# PGVG Distribution

Blainville, J7G 0A3  
Canada

Carbonyl Assay  
Samples Received 5/23/16

Product Name  
*Vazooka 3mg*

Analysis Report  
(0516-566)

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: PGVG Distribution
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.

Limit of Quantitation (LOQ), ug/mL	5.00	4.74	5.19
Minimum Detection Limit (MDL), ug/mL	1.13	1.07	1.87

Company	PGVG Distribution
Analyst	KBK
Instrument Type	GC/MS
Project Code	0516-566

Cert Report #	0516-566
# Samples	1
Date Received	5/23/16
Client Project	na

Enthalpy Code	Sample Name	Notes	Diacetyl (ug/mL)	2,3-Pentanedione (ug/mL)	Acetoin (ug/mL)
0516-566-01	Vazooka 3mg	3 Bubbles	Not Detected	Not Detected	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 2 pages. If you have trouble viewing this document's electronic signature, please open in Adobe Acrobat.

Report Issued: 6/14/2016

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