

Nicopure Labs, LLC

5909 NW 18th Drive
Gainesville, FL 32653

Carbonyl Assay
Samples Received 9/17/15

Product Name
Halo - Devlin

Analysis Report
(0915-536)

GC/MS Analysis For:
Diacetyl
2,3-Pentanedione (aka: Acetyl propionyl)



Enthalpy Analytical, Inc.

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



Company:	Nicopure Labs, LLC
Sample Condition:	Samples received in good condition.
Notes:	Chain of custody verified.

Method / SOP	Analyte(s)
ENT225	Diacetyl
	2,3-Pentanedione
	(aka: Acetyl propionyl)

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 1.22 ug/mL for '2,3-Pentanedione'.

Company	Nicopure Labs, LLC	Cert Report #	0915-536
Analyst	JM	# Samples	1
Instrument Type	GC/MS	Date Received	9/17/15
Project Code	0915-536	Client Project	na

Enthalpy Code	Sample Name	Notes	Diacetyl (ug/mL)	2,3-Pentanedione (ug/mL)
0915-536-04	Halo-Devlin	--	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. If you have trouble viewing this document's electronic signature, please open in Adobe Acrobat.

Report Issued: 11/5/2015



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