284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Cover Page

Order ID : P5029

Project ID : Finished Product

Client : Vermont's Original, LLC

Lab Sample Number	Client Sample Number
P5029-01	LOT-112-54

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 11/28/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Vermont's Original, LLC
Project Name: Finished Product
Project # N/A
Chemtech Project # P5029
Test Name: 8-Hydroxyquinoline sulfate

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 11/27/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: 8-Hydroxyquinoline sulfate. This data package contains results for 8-Hydroxyquinoline sulfate.

C. Analytical Techniques:
The analysis of 8-Hydroxyquinoline sulfate was based on method Chemtech -SOP.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:
The time of sampling was not listed in the COC.
The temperature of the samples at the time of receipt was 10.3°C.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P5029**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **SOHIL JODHANI** **Date:** **11/28/2024**

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LAB CHRONICLE

OrderID:	P5029	**OrderDate:**	11/27/2024 11:32:00 AM
Client:	Vermont's Original, LLC	**Project:**	Finished Product
Contact:	Mark Perkins	**Location:**	M11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5029-01	**LOT-112-54**	**SOIL**			**11/25/24 12:00**			**11/27/24**
			8-Hydroxyquinoline sulfate	Chemtech -SOP			11/27/24 13:25	

SAMPLE DATA

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Report of Analysis

Client:	Vermont's Original, LLC	Date Collected:	11/25/24 12:00
Project:	Finished Product	Date Received:	11/27/24
Client Sample ID:	LOT-112-54	SDG No.:	P5029
Lab Sample ID:	P5029-01	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
8-Hydroxyquinoline sulfate	0.30		1	0	0	mg/Kg		11/27/24 13:25	Chemtech -SOP

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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Preparation Blank Summary

Client: Vermont's Original, LLC **SDG No.:** P5029

Project: Finished Product

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB133661BL							
8-Hydroxyquinoline sul	mg/Kg	0.01	0.0000		0	0	11/27/2024

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Duplicate Sample Summary

Client: Vermont's Original, LLC
SDG No.: P5029
Project: Finished Product
Sample ID: P4945-01
Client ID: LOT-111-84DUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
8-Hydroxyquinoline sulfate	mg/Kg	+/-20	0.30		0.30		1	0		11/27/2024

Alliance
TECHNICAL GROUP

RAW DATA

Reviewed By:Iwona
On:11/27/2024 3:47:47 PM
Inst Id :Gravimetric
LB :LB133661

CHEMTECH

Analytical Summary Report

ANALYST: Niha

Analysis Method: Chemtech -SOP

SUPERVISOR REVIEW BY: Iwona

Parameter: 8-Hydroxyquinoline sulfate

Constant: 16000

Run Number: LB133661

BalanceID: SC WC-7

Time IN: 12:21

Time OUT: 12:41

Date IN: 11/27/2024

Date OUT: 11/27/2024

Temp(°C) IN: 69

Temp(°C) OUT: 71

Reagent/Standard	Lot/Log #
HCL 10%	WP108998
HCL 10%	WP108998
KI solution for Bag Balm, 10%	WP110519
Starch Solution, 4L	W3149
Hexane, Ultra-Resi (cs/4x4L)	W3153
POTASSIUM BROMATE 0.1N 1L	W3102
SODIUM THIOSULFATE,0.1N,1 LITER	W3037

Seq	Lab ID	Sample Wt(g)	DF	T1 (mL)	T2 Initial	T2 Final	T2 Diff. (mL)	T1 - T2 Diff (mL)	KI 10%	Result (ppm)	AnalDate	Anal Time
1	LB133661BL	4.00	1	4.00	0.00	3.96	3.96	0.04	2.00	0.01	11/27/2024	13:10
2	P4945-01	4.02	1	4.00	0.00	1.60	1.60	2.40	2.00	0.30	11/27/2024	13:15
3	P4945-01DUP	4.04	1	4.00	0.00	1.62	1.62	2.38	2.00	0.30	11/27/2024	13:20
4	P5029-01	4.06	1	4.00	0.00	1.64	1.64	2.36	2.00	0.30	11/27/2024	13:25

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Result = (T1 - T2) * 0.508 / Sample Volume

WORKLIST(Hardcopy Internal Chain)

LB133661

WorkList Name : 8-HQS-11272024 **WorkList ID :** 185849 **Department :** Wet-Chemistry **Date :** 11-27-2024 11:57:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4945-01	LOT-111-84	Solid	8-Hydroxyquinoline sulfate	Cool 4 deg C	DAIR01	M11	11/18/2024	Chemtech -SO
P5029-01	LOT-112-54	Solid	8-Hydroxyquinoline sulfate	Cool 4 deg C	DAIR01	M11	11/25/2024	Chemtech -SO

Date/Time 11·27·2024, 12:00
Raw Sample Received by: NF(wx)
Raw Sample Relinquished by:

Date/Time 11·27·2024, 14:00
Raw Sample Received by:
Raw Sample Relinquished by: NF(w

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Instrument ID: GRAVIMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB133661

Review By	Niha	Review On	11/27/2024 3:02:49 PM
Supervise By	Iwona	Supervise On	11/27/2024 3:47:47 PM
SubDirectory	LB133661	Test	8-Hydroxyquinoline sulfate

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP108998,WP108998,WP110519,W3149,W3153,W3102,W3037

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB133661BL	LB133661BL	MB	11/27/24 13:10		Niha	OK
2	P4945-01	LOT-111-84	SAM	11/27/24 13:15		Niha	OK
3	P4945-01DUP	LOT-111-84DUP	DUP	11/27/24 13:20		Niha	OK
4	P5029-01	LOT-112-54	SAM	11/27/24 13:25		Niha	OK

SHIPPING DOCUMENTS

VERMONT'S ORIGINAL
BAG BALM®

P5029

November 25, 2024

CHEMTECH LABORATORIES
284 Sheffield Street
Mountainside, NJ 07092

Enclosed: One (1) can of Bag Balm ointment with the following Lot #: 112/54

Required: Test to determine the amount of
8-Hydroxyquinoline Sulfate.

Sincerely,
Vermont's Original, LLC
Mark Perkins
Director, Manufacturing Operations and Plant Manager
802-626-5327
mperkins@bagbalm.com
ap@bagbalm.com

11-27-24
11:25
10.3

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488