

## DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

<b>J</b>	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).
<b>U</b>	Indicates the analyte was analyzed for, but not detected.
<b>ND</b>	Indicates the analyte was analyzed for, but not detected
<b>E</b>	Indicates the reported value is estimated because of the presence of interference
<b>M</b>	Indicates Duplicate injection precision not met.
<b>N</b>	Indicates the spiked sample recovery is not within control limits.
<b>S</b>	Indicates the reported value was determined by the Method of Standard Addition (MSA).
<b>*</b>	Indicates that the duplicate analysis is not within control limits.
<b>+</b>	Indicates the correlation coefficient for the MSA is less than 0.995.
<b>D</b>	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
<b>M</b>	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
<b>OR</b>	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
<b>Q</b>	Indicates the LCS did not meet the control limits requirements
<b>H</b>	Sample Analysis Out Of Hold Time

## LAB CHRONICLE

**OrderID:** P4855  
**Client:** Vermont's Original, LLC  
**Contact:** Mark Perkins

**OrderDate:** 11/14/2024 11:47:00 AM  
**Project:** Finished Product  
**Location:** M11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4855-01	LOT-111-14	SOIL	8-Hydroxyquinoline sulfate	Chemtech -SOP	11/11/24 12:00		11/20/24 10:30	11/14/24



# SAMPLE DATA

## Report of Analysis

Client:	Vermont's Original, LLC	Date Collected:	11/11/24 12:00
Project:	Finished Product	Date Received:	11/14/24
Client Sample ID:	LOT-111-14	SDG No.:	P4855
Lab Sample ID:	P4855-01	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
8-Hydroxyquinoline sulfate	0.29		1	0	0	mg/Kg		11/20/24 10:30	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

### Preparation Blank Summary

**Client:** Vermont's Original, LLC

**SDG No.:** P4855

**Project:** Finished Product

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: <b>LB133539BL</b>							
8-Hydroxyquinoline sul	mg/Kg	0.01	0.0000		0	0	11/20/2024

### Duplicate Sample Summary

<b>Client:</b>	Vermont's Original, LLC	<b>SDG No.:</b>	P4855
<b>Project:</b>	Finished Product	<b>Sample ID:</b>	P4818-01
<b>Client ID:</b>	LOT-110-44DUP	<b>Percent Solids for Spike Sample:</b>	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	0.29		0.29		1	0		11/20/2024



# RAW DATA



Analysis Method: Chemtech -SOP

SUPERVISOR REVIEW BY: Iwona

Parameter: 8-Hydroxyquinoline sulfate

Constant: 16000

Run Number: LB133539

BalanceID: SC WC-7

Time IN: 09:30

Time OUT: 09:50

Date IN: 11/20/2024

Date OUT: 11/20/2024

Temp (°C) IN: 69

Temp (°C) OUT: 71

Reagent/Standard	Lot/Log #
HCL 10%	WP108998
KI solution for Bag Balm, 10%	WP110519
Starch Solution, 4L	W3149
Hexane, Ultra-Resi (cs/4x4L)	W3110
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	LB133539BL	4.00	1	4.00	0.00	3.94	3.94	0.06	2.00	0.01	11/20/2024	10:15
2	P4818-01	4.05	1	4.00	0.00	1.72	1.72	2.28	2.00	0.29	11/20/2024	10:20
3	P4818-01DUP	4.02	1	4.00	0.00	1.74	1.74	2.26	2.00	0.29	11/20/2024	10:25
4	P4855-01	4.01	1	4.00	0.00	1.68	1.68	2.32	2.00	0.29	11/20/2024	10:30

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

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

WORKLIST(Hardcopy Internal Chain)

LB133539

WorkList Name : BALM- 8-HQS-11202024

WorkList ID : 185603

Department : Wet-Chemistry

Date : 11-20-2024 08:49:36

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4818-01	LOT-110-44	Solid	8-Hydroxyquinoline sulfate	Cool 4 deg C	DAIR01	L11	11/04/2024	Chemtech -SO
P4855-01	LOT-111-14	Solid	8-Hydroxyquinoline sulfate	Cool 4 deg C	DAIR01	M11	11/11/2024	Chemtech -SO

Date/Time 11.20.2024, 9:00  
Raw Sample Received by: NFWC  
Raw Sample Relinquished by: NFWC

Date/Time 11.20.2024, 11:00  
Raw Sample Received by: NFWC  
Raw Sample Relinquished by: NFWC

**Instrument ID:** GRAVIMETRIC

**Daily Analysis Runlog For Sequence/QC Batch ID # LB133539**

Review By	Niha	Review On	11/20/2024 2:46:44 PM
Supervise By	Iwona	Supervise On	11/20/2024 3:02:13 PM
SubDirectory	LB133539	Test	8-Hydroxyquinoline sulfate
<b>STD. NAME</b>	<b>STD REF.#</b>		
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,WP110519,W3149,W3110,W3102,W3037		

Sr#	SampleID	ClientID	QcType	Date	Comment	Operator	Status
1	LB133539BL	LB133539BL	MB	11/20/24 10:15		Niha	OK
2	P4818-01	LOT-110-44	SAM	11/20/24 10:20		Niha	OK
3	P4818-01DUP	LOT-110-44DUP	DUP	11/20/24 10:25		Niha	OK
4	P4855-01	LOT-111-14	SAM	11/20/24 10:30		Niha	OK



# SHIPPING DOCUMENTS

P4855



November 11, 2024

CHEMTECH LABORATORIES  
284 Sheffield Street  
Mountainside, NJ 07092

Enclosed: One (1) can of Bag Balm ointment with the following Lot #: 111/14

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

Sincerely,  
Vermont's Original, LLC  
Mark Perkins  
Director, Manufacturing Operations and Plant Manager  
862-626-5327  
[mperkins@bagbalm.com](mailto:mperkins@bagbalm.com)  
[ap@bagbalm.com](mailto:ap@bagbalm.com)

11-14-24

10:49

13.1.5



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