

## 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:** Q1459  
**Client:** Vermont's Original, LLC  
**Contact:** Mark Perkins

**OrderDate:** 2/27/2025 2:12:00 PM  
**Project:** Finished Product  
**Location:** H11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1459-01	LOT-022-45	SOIL			02/24/25 12:00			02/27/25
			8-Hydroxyquinoline sulfate	Chemtech -SOP			03/10/25 11:55	



# SAMPLE DATA

## Report of Analysis

Client:	Vermont's Original, LLC	Date Collected:	02/24/25 12:00
Project:	Finished Product	Date Received:	02/27/25
Client Sample ID:	LOT-022-45	SDG No.:	Q1459
Lab Sample ID:	Q1459-01	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		03/10/25 11:55	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.:** Q1459

**Project:** Finished Product

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: <b>LB134960BL</b>							
8-Hydroxyquinoline sul	mg/Kg	0.04	0.0000		0	0	03/10/2025

## Duplicate Sample Summary

<b>Client:</b>	Vermont's Original, LLC	<b>SDG No.:</b>	Q1459
<b>Project:</b>	Finished Product	<b>Sample ID:</b>	Q1459-01
<b>Client ID:</b>	LOT-022-45DUP	<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	0.30		0.30		1	0		03/10/2025



# RAW DATA



Analysis Method: Chemtech -SOP

SUPERVISOR REVIEW BY: Iwona

ANALYST: Niha

Parameter: 8-Hydroxyquinoline sulfate

Constant: 16000

Run Number: LB134960

BalanceID: SC WC-7

Time IN: 11:00

Time OUT: 11:20

Date IN: 03/10/2025

Date OUT: 03/10/2025

Temp (°C) IN: 69

Temp (°C) OUT: 71

Reagent/Standard	Lot/Log #
HCL 10%	WP111036
KI solution for Bag Balm, 10%	WP110519
Starch Solution, 4L	W3149
Hexane, Ultra-Resi (cs/4x4L)	W3177
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	LB134960BL	4.00	1	4.00	0.00	3.66	3.66	0.34	2.00	0.04	03/10/2025	11:50
2	Q1459-01	4.05	1	4.00	3.66	5.25	1.59	2.41	2.00	0.30	03/10/2025	11:55
3	Q1459-01DUP	4.04	1	4.00	5.25	6.86	1.61	2.39	2.00	0.30	03/10/2025	12:00
4	Q1521-01	4.10	1	4.00	6.86	8.32	1.46	2.54	2.00	0.31	03/10/2025	12:05

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

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

WORKLIST(Hardcopy Internal Chain)

LB134960

WorkList Name : 8-HQS-03102025

WorkList ID : 188156

Department : Wet-Chemistry

Date : 03-10-2025 10:06:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1459-01	LOT-022-45	Solid	8-Hydroxyquinoline sulfate	Cool 4 deg C	DAIR01	H11	02/24/2025	Chemtech -SO
Q1521-01	LOT-030/35	Solid	8-Hydroxyquinoline sulfate	Cool 4 deg C	DAIR01	F11	03/03/2025	Chemtech -SO

Date/Time 03.10.2025 , 10:30  
Raw Sample Received by: NF(wc)  
Raw Sample Relinquished by: MWC

Date/Time 03.10.2025 , 12:10  
Raw Sample Received by: MWC  
Raw Sample Relinquished by: NF(wc)

**Instrument ID:** GRAVIMETRIC

**Daily Analysis Runlog For Sequence/QC Batch ID # LB134960**

Review By	Niha	Review On	3/10/2025 12:31:35 PM
Supervise By	Iwona	Supervise On	3/10/2025 1:03:51 PM
SubDirectory	LB134960	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	WP111036,WP110519,W3149,W3177,W3102,W3037		

Sr#	SampleID	ClientID	QcType	Date	Comment	Operator	Status
1	LB134960BL	LB134960BL	MB	03/10/25 11:50		Niha	OK
2	Q1459-01	LOT-022-45	SAM	03/10/25 11:55		Niha	OK
3	Q1459-01DUP	LOT-022-45DUP	DUP	03/10/25 12:00		Niha	OK
4	Q1521-01	LOT-030/35	SAM	03/10/25 12:05		Niha	OK



# SHIPPING DOCUMENTS



Q1459

February 24, 2025

CHEMTECH LABORATORIES  
284 Sheffield Street  
Mountainside, NJ 07092

Enclosed: One (1) tin of Bag Balm ointment with the following Lot #: 022/45

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](mailto:mperkins@bagbalm.com)  
[ap@bagbalm.com](mailto:ap@bagbalm.com)

2-27-25

13:55

10.3

### 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