

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

LAB CHRONICLE

OrderID: Q1727
Client: Vermont's Original, LLC
Contact: Mark Perkins

OrderDate: 4/3/2025 3:53:00 PM
Project: Finished Product
Location: F11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1727-01	LOT-040-15	SOIL			04/01/25 12:00			04/03/25
			8-Hydroxyquinoline sulfate	Chemtech -SOP			04/04/25 12:25	



SAMPLE DATA

Report of Analysis

Client:	Vermont's Original, LLC	Date Collected:	04/01/25 12:00
Project:	Finished Product	Date Received:	04/03/25
Client Sample ID:	LOT-040-15	SDG No.:	Q1727
Lab Sample ID:	Q1727-01	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
8-Hydroxyquinoline sulfate	0.31		1	0	0	mg/Kg		04/04/25 12:25	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

Preparation Blank Summary

Client: Vermont's Original, LLC

SDG No.: Q1727

Project: Finished Product

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB135308BL							
8-Hydroxyquinoline sul	mg/Kg	0.04	0.0000		0	0	04/04/2025

Duplicate Sample Summary

Client: Vermont's Original, LLC Project: Finished Product Client ID: LOT-032-45DUP	SDG No.: Q1727 Sample ID: Q1667-01 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	0.31		0.30		1	3.28		04/04/2025



RAW DATA

Analysis Method: Chemtech -SOP

SUPERVISOR REVIEW BY: Iwona

ANALYST: Niha

Parameter: 8-Hydroxyquinoline sulfate

Constant: 16000

Run Number: LB135308

BalanceID: SC WC-7

Time IN: 11:15

Time OUT: 11:35

Date IN: 04/04/2025

Date OUT: 04/04/2025

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	LB135308BL	4.00	1	4.00	0.00	3.68	3.68	0.32	2.00	0.04	04/04/2025	12:10
2	Q1667-01	4.02	1	4.00	3.68	5.24	1.56	2.44	2.00	0.31	04/04/2025	12:15
3	Q1667-01DUP	4.04	1	4.00	5.24	6.82	1.58	2.42	2.00	0.30	04/04/2025	12:20
4	Q1727-01	4.10	1	4.00	6.82	8.28	1.46	2.54	2.00	0.31	04/04/2025	12:25

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

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

WORKLIST(Hardcopy Internal Chain)

LB135308

WorkList Name : 8-HQS-04042025

WorkList ID : 188729

Department : Wet-Chemistry

Date : 04-04-2025 08:18:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1667-01	LOT-032-45	Solid	8-Hydroxyquinoline sulfate	Cool 4 deg C	DAIR01	F11	03/24/2025	Chemtech -SO
Q1727-01	LOT-040-15	Solid	8-Hydroxyquinoline sulfate	Cool 4 deg C	DAIR01	F11	04/01/2025	Chemtech -SO

Date/Time 04.04.2025 , 10:45
Raw Sample Received by: NFWC
Raw Sample Relinquished by: JH GDC

Date/Time 04.04.2025 , 13:00
Raw Sample Received by: JH GDC
Raw Sample Relinquished by: NFWC

Instrument ID: GRAVIMETRIC

Daily Analysis Runlog For Sequence/QC Batch ID # LB135308

Review By	Niha	Review On	4/4/2025 1:12:44 PM
Supervise By	Iwona	Supervise On	4/4/2025 2:35:07 PM
SubDirectory	LB135308	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	WP111036,WP110519,W3149,W3177,W3102,W3037		

Sr#	SampleID	ClientID	QcType	Date	Comment	Operator	Status
1	LB135308BL	LB135308BL	MB	04/04/25 12:10		Niha	OK
2	Q1667-01	LOT-032-45	SAM	04/04/25 12:15		Niha	OK
3	Q1667-01DUP	LOT-032-45DUP	DUP	04/04/25 12:20		Niha	OK
4	Q1727-01	LOT-040-15	SAM	04/04/25 12:25		Niha	OK



SHIPPING DOCUMENTS



Q1727

April 01, 2025

CHEMTECH LABORATORIES
284 Sheffield Street
Mountainside, NJ 07092

Enclosed: One (1) can of Bag Balm ointment with the following Lot #: 040/15

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

A handwritten signature in cursive script, appearing to be "MP".

4/3/25

15:52

13.1

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