

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: Q1615
Client: Vermont's Original, LLC
Contact: Mark Perkins

OrderDate: 3/20/2025 12:01:00 PM
Project: Finished Product
Location: F11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1615-01	LOT-P55	SOIL	8-Hydroxyquinoline sulfate	Chemtech -SOP	03/17/25 12:00		03/20/25 14:15	03/20/25



SAMPLE DATA

Report of Analysis

Client:	Vermont's Original, LLC	Date Collected:	03/17/25 12:00
Project:	Finished Product	Date Received:	03/20/25
Client Sample ID:	LOT-P55	SDG No.:	Q1615
Lab Sample ID:	Q1615-01	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		03/20/25 14:15	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.: Q1615

Project: Finished Product

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB135110BL							
8-Hydroxyquinoline sul	mg/Kg	0.01	0.0000		0	0	03/20/2025

Duplicate Sample Summary

Client:	Vermont's Original, LLC	SDG No.:	Q1615
Project:	Finished Product	Sample ID:	Q1550-01
Client ID:	LOT-18995069DUP	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		03/20/2025



RAW DATA

Analysis Method: Chemtech -SOP

SUPERVISOR REVIEW BY: Iwona

Parameter: 8-Hydroxyquinoline sulfate

Constant: 16000

Run Number: LB135110

BalanceID: SC WC-7

Time IN: 13:00

Time OUT: 13:20

Date IN: 03/20/2025

Date OUT: 03/20/2025

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	LB135110BL	4.00	1	4.00	0.00	3.96	3.96	0.04	2.00	0.01	03/20/2025	14:00
2	Q1550-01	4.02	1	4.00	0.00	1.58	1.58	2.42	2.00	0.31	03/20/2025	14:05
3	Q1550-01DUP	4.04	1	4.00	0.00	1.60	1.60	2.40	2.00	0.30	03/20/2025	14:10
4	Q1615-01	4.10	1	4.00	0.00	1.56	1.56	2.44	2.00	0.30	03/20/2025	14:15

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

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

LB135110

WORKLIST(Hardcopy Internal Chain)

WorkList Name : 8-HQS-03202025

WorkList ID : 188418

Department : Wet-Chemistry

Date : 03-20-2025 09:59:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1550-01	LOT-18995069	Solid	8-Hydroxyquinoline sulfate	Cool 4 deg C	DAIR01	F11	03/10/2025	Chemtech-SO
Q1615-01	LOT-P55	Solid	8-Hydroxyquinoline sulfate	Cool 4 deg C	DAIR01	F11	03/17/2025	Chemtech-SO

Date/Time 03.20.2025, 12:30
Raw Sample Received by: NF(wc)
Raw Sample Relinquished by: [Signature]

Date/Time 03.20.2025, 15:00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: NF(wc)

Instrument ID: GRAVIMETRIC

Daily Analysis Runlog For Sequence/QC Batch ID # LB135110

Review By	Niha	Review On	3/20/2025 3:14:10 PM
Supervise By	Iwona	Supervise On	3/20/2025 3:32:00 PM
SubDirectory	LB135110	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	LB135110BL	LB135110BL	MB	03/20/25 14:00		Niha	OK
2	Q1550-01	LOT-18995069	SAM	03/20/25 14:05		Niha	OK
3	Q1550-01DUP	LOT-18995069DUP	DUP	03/20/25 14:10		Niha	OK
4	Q1615-01	LOT-P55	SAM	03/20/25 14:15		Niha	OK



SHIPPING DOCUMENTS

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