



Customer: Sunset Butte LLC
Product identity: Relax CBD
Client/Metric ID: .
Laboratory ID: 22-011796-0001

Summary

Potency:

Analyte	Result (%)			
CBD	55.7		CBD-Total	55.7%
CBT	6.40		THC-Total	<LOQ
CBE	3.66		(Reported in percent of total sample)	
CBC	3.31			
CBN	2.44			
CBG	1.75			
CBDV	0.518			

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
Linalool β -	1.59	36.72%	Humulene	1.10	25.40
Caryophyllene α -	0.711	16.42%	β -Myrcene	0.361	%
Bisabolol α -	0.229	5.29%	(-)-caryophyllene oxide	0.0856	8.34%
pinene	0.0770	1.78%	(R) - (+) - Limonene	0.0482	1.98%
(-) - Guaiol	0.0472	1.09%	Terpinolene	0.0407	1.11%
(\pm) - trans-	0.0308	0.71%	cis- β -Ocimene	0.0110	0.94%
Nerolidol					0.25%
Total Terpenes	4.33	100.00%			



Customer: Sunset Butte LLC
United States of America (USA)

Product identity: Relax CBD

Client/Metric ID: .

Sample Date: 22-011796-0001

Laboratory ID: No

Evidence of Cooling: 19.9 °C

Temp: usps

Relinquished by:

Sample Results

Potency Method: J AOAC 2015 V98-6 (mod)p Units % Batch: 2208424 Analyze: 10/4/22 10:18:00 PM

Analyte	As Dry Received weight	LOQ	Notes
CBC	3.31	0.0694	
CBC-A	<LOQ	0.0694	
CBC-Total	3.31	0.130	
CBD	55.7	0.694	
CBD-A	<LOQ	0.0694	
CBD-Total	55.7	0.755	
CBDV	0.518	0.0694	
CBDV-A	<LOQ	0.0694	
CBDV-Total	0.518	0.130	
CBE	3.66	0.0694	
CBG	1.75	0.0694	
CBG-A	<LOQ	0.0694	
CBG-Total	1.75	0.130	
CBL	<LOQ	0.0694	
CBL-A	<LOQ	0.0694	
CBL-Total	<LOQ	0.130	
CBN	2.44	0.0694	
CBT	6.40	0.0694	
Δ10-THC	<LOQ	0.0694	
Δ8-THC	<LOQ	0.0694	
Δ8-THCV	<LOQ	0.0694	
Δ9-THC	<LOQ	0.0694	
exo-THC	<LOQ	0.0694	
THC-A	<LOQ	0.0694	
THC-Total	<LOQ	0.130	
THCV	<LOQ	0.0694	
THCV-A	<LOQ	0.0694	
THCV-Total	<LOQ	0.130	
Total Cannabinoids	73.8	0.130	





These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

^b
= ISO/IEC 17025:2017 accredited method.

Units of Measure

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory



Derrick Tanner
General Manager



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 22-
Report Date: 011796/D026.R000
ORELAP#: 10/07/2022
Purchase Order: OR100028
Received: 09/30/22 10:16



Hemp / Cannabis Usable / Extract / Finished Product

SUNSET 22-011796

Chain of Custody Record

Document Control ID: 2732 Revision: 1
 Effective: 05/04/2021
 ORELAP ID: OR100028



Sunset Butte LLC

Company: Sunset Butte LLC
 Contact: Gary Hall
 Street: 65686 Clive Falls Rd
 City: Bend State: OR Zip: 97703
 Email Results: soundsgoodgary@gmail.com
 Ph: () () () Fx Results: () () ()
 Billing (if different): _____

Analysis Requested										
Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro: Yeast and Mold	Micro: E. Coli and Total Coliform	Heavy Metals	Mycotoxins	Other:

PO Number: _____
 Project Number: _____
 Project Name: _____
 Custom Reporting: _____
 Report to State - METRC or Other: _____
 Turnaround time: 5 Business Day Standard Turnaround
 3 Business Day Rush Turnaround*
 2 Business Day Rush Turnaround*
 *Check for availability
 Sampled by: _____

Lab ID	Client Sample Identification	Date	Time	Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro: Yeast and Mold	Micro: E. Coli and Total Coliform	Heavy Metals	Mycotoxins	Other:	Sample Type †	Weight (Units)	Comments/Metric ID
	Banana Runtz 8	9/29	10:45a			X			X							5ml	
	Pineapple Express 8	9/29				X			X							5ml	
	Ekte Cooler 8	9/29				X			X							5ml	
	Grape Ape 8	9/29				X			X							5ml	
	Wifi OG 8	9/29				X			X							5ml	
	Purple Punch 8	9/29				X			X							5ml	
	Granddaddy Purple 8	9/29				X			X							5ml	
	Obama Kush 8	9/29				X			X							5ml	
	Obama Kush Pure 8	9/29		X		X			X		X					10ml	

Relinquished By:	Date	Time	Received By:	Date	Time	Lab Use Only:
<u>[Signature]</u>	9/29	10:45a	<u>RBS</u>	9/30	10:17	Shipped Via: <u>UPS</u> or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp (°C): <u>19.9</u> Sample in good condition: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: _____ Prelog storage: _____

† - Sample Type Codes: Vegetation (V) ; Isolates (S) ; Extract/Concentrate (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B)

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.
 Testing in accordance with: OAR 333-007-0430



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-
Report Date: 011796/D026.R000
ORELAP#: 10/07/2022
Purchase Order: OR100028
Received: 09/30/22 10:16



Hemp / Cannabis Usable / Extract / Finished Products

Chain of Custody Record

Document Control ID: 2732 Revision: 1
Effective: 05/04/2021
ORELAP ID: OR100028

Company: <u>Sunset Butte LLC</u> Contact: <u>Gary Hall</u> Street: <u>65686 Clint Falls Rd</u> City: <u>Bend</u> State: <u>OR</u> Zip: <u>97703</u> <input checked="" type="checkbox"/> Email Results: <u>soundgoodgary@gmail.com</u> Ph: <u>(541) 480-0278</u> <input type="checkbox"/> Fx Results: () Billing (if different): _____				Analysis Requested <input type="checkbox"/> Pesticides - OR 59 compounds <input type="checkbox"/> Pesticide Multi-Residue - 379 compounds <input type="checkbox"/> potency <input type="checkbox"/> Residual Solvents <input type="checkbox"/> Moisture & Water Activity <input type="checkbox"/> Terpenes <input type="checkbox"/> Micro: Yeast and Mold <input type="checkbox"/> Micro: E.Coli and Total Coliform <input type="checkbox"/> Heavy Metals <input type="checkbox"/> Mycotoxins <input type="checkbox"/> Other: _____								PO Number: _____ Project Number: _____ Project Name: _____ Custom Reporting: _____ Report to State - <input type="checkbox"/> METRC or <input type="checkbox"/> Other: _____ Turnaround time: <input type="checkbox"/> 5 Business Day Standard Turnaround <input type="checkbox"/> 3 Business Day Rush Turnaround* <input type="checkbox"/> 2 Business Day Rush Turnaround* *Check for availability		
Sampled by: <u>[Signature]</u>				Sample Type †		Weight (µg/ml)		Comments/Metric ID						
Lab ID	Client Sample Identification	Date	Time											
	Relax CBD	9/29	10:30am		X					5ml				
	Focus CBD	9/29	10:30am		X					5ml				
	Revive CBD	9/29			X					5ml				
	Georgia Pie 8	9/29			X		X			5ml				
	Thin Mint 8	9/29			X		X			5ml				
	Strawberry Cough 8	9/29			X		X			5ml				
	7lb Hammer 8	9/29			X		X			5ml				
	Northern Lights 8	9/29			X		X			5ml				
	Bubba Kush 8	9/29			X		X			5ml				
Relinquished By: <u>[Signature]</u>		Date	Time	Received By: <u>RBS</u>			Date	Time	Lab Use Only:					
		9/29	10:30am				9/30	10:16	<input checked="" type="checkbox"/> Shipped Via: <u>USPS</u> or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input type="checkbox"/> No - Temp (°C): <u>19.9</u> Sample in good condition: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: _____ Prelog storage: _____					

† - Sample Type Codes: Vegetation (V) ; Isolates (S) ; Extract/Concentrate (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B)

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Portland, OR 97230

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Page _____ of _____
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Testing in accordance with: OAR 333-007-0430



12423 NE Whitaker Way
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 503-254-1794

Report Number: 22-
Report Date: 011796/D026.R000
ORELAP#: 10/07/2022
Purchase Order: OR100028
Received: 09/30/22 10:16



Hemp / Cannabis Usable / Extract / Finished Products

Chain of Custody Record

Document Control ID: 2732 Revision: 1
 Effective: 05/04/2021
 ORELAP ID: OR100028

Company: <u>Sunset Butte LLC</u> Contact: <u>Gary Hall</u> Street: <u>68886 Cline Falls Rd</u> City: <u>Bend</u> State: <u>OR</u> Zip: <u>97703</u> <input checked="" type="checkbox"/> Email Results: <u>sounds good gary R</u> <input checked="" type="checkbox"/> <u>ETC LOADS COH</u> Ph: () Fx Results: () Billing (if different):				Analysis Requested Pesticides - OR 59 compounds Pesticide Multi-Residue - 379 compounds Potency Residual Solvents Moisture & Water Activity Terpenes Micro: Yeast and Mold Micro: E.Coli and Total Coliform Heavy Metals Mycotoxins Other:										PO Number: _____ Project Number: _____ Project Name: _____ Custom Reporting: _____ Report to State - <input type="checkbox"/> METRC or <input type="checkbox"/> Other: _____ Turnaround time: <input checked="" type="checkbox"/> 5 Business Day Standard Turnaround <input type="checkbox"/> 3 Business Day Rush Turnaround* <input type="checkbox"/> 2 Business Day Rush Turnaround* *Check for availability		
Relinquished By: _____ Date: <u>9/29</u> Time: <u>10:40a</u>				Received By: <u>RLSS</u> Date: <u>9/30</u> Time: <u>10:16</u>				Lab Use Only: <input checked="" type="checkbox"/> Shipped Via: <u>usps</u> or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp (°C): <u>19.8</u> Sample in good condition: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: _____ Prelog storage: _____								

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Revision: 1 Document ID: 7086
Legacy ID: CFL-E57Worksheet Validated 11/04/2020

Terpenes Quality Control Results

Method Reference: EPA 5035 Batch ID: 2208384

Method Blank			Laboratory Control Sample				
Analyte Result	LOQ	Notes	Result	LCS Units	LCS % Rec	Limits	Notes
a-pinene	<LO	<200	54	50	µg/	109	7 - 13
Camphene	0	<200	4	0	g	%	0 - 0
Sabinene	<LO	<200	56	50	µg/	113	7 - 13
b-Pinene	0	<200	4	0	g	%	0 - 0
b-Myrcene	<LO	<200	56	50	µg/	112	7 - 13
a-phellandrene	0	<200	1	0	g	%	0 - 0
α-3-Carene	<LO	<200	55	50	µg/	111	7 - 13
a-Terpinene	0	<200	5	0	g	%	0 - 0
p-Cymene	<LO	<200	56	50	µg/	113	7 - 13
D-Limonene	0	<200	3	0	g	%	0 - 0
Eucalyptol	<LO	<200	59	50	µg/	119	7 - 13
b-cis-Ocimene	0	<67	7	0	g	%	0 - 0
b-trans-Ocimene	<LO	<133	59	50	µg/	119	7 - 13
g-Terpinene	0	<200	5	0	g	%	0 - 0
Sabinene_Hydrate	<LO	<200	56	50	µg/	112	7 - 13
Terpinolene	0	<200	0	0	g	%	0 - 0
D-Fenchone	<LO	<200	57	50	µg/	115	7 - 13
Linalool	0	<200	7	0	g	%	0 - 0
Fenchol	<LO	<200	54	50	µg/	109	7 - 13
Camphor	0	<200	7	0	g	%	0 - 0
Isopulego	<LO	<200	55	50	µg/	111	7 - 13
Isoborneol	0	<200	6	0	g	%	0 - 0
Borneol	<LO	<200	19	16	µg/	114	7 - 13
DL-Menthol	0	<200	1	7	g	%	0 - 0
Terpineol	<LO	<200	40	33	µg/	121	7 - 13
Nerol	0	<200	2	3	g	%	0 - 0
Pulegone	<LO	<200	55	50	µg/	110	7 - 13
Geraniol	0	<200	2	0	g	%	0 - 0
Geranyl_Acetate	<LO	<200	56	50	µg/	113	7 - 13
a-Cedrene	0	<200	7	0	g	%	0 - 0
b-Caryophytene	<LO	<200	56	50	µg/	113	7 - 13
a-Humulene	0	<200	6	0	g	%	0 - 0
Valenene	<LO	<200	54	50	µg/	108	7 - 13
cis-Nerolidol	0	<200	2	0	g	%	0 - 0
α-Farnesene	<LO	<200	60	50	µg/	122	7 - 13
trans-Nerolidol	0	<200	9	0	g	%	0 - 0
Caryophytene_Oxide	<LO	<200	57	50	µg/	115	7 - 13
Guaiol	0	<200	3	0	g	%	0 - 0
Cedrol	<LO	<200	57	50	µg/	115	7 - 13
a-Bisabolol	0	<200	4	0	g	%	0 - 0
Definitions	<LO		64	50	µg/	129	7 - 13
LOQ	Limit of Quantitation		4	0	g	%	0 - 0
LCS	Laboratory Control Sample		59	50	µg/	119	7 - 13
% REC	Percent Recovery		3	0	g	%	0 - 0
			57	50	µg/	114	7 - 13
			2	0	g	%	0 - 0
			58	50	µg/	116	7 - 13
			1	0	g	%	0 - 0
			56	50	µg/	113	7 - 13
			4	0	g	%	0 - 0
			59	50	µg/	119	7 - 13
			6	0	g	%	0 - 0
			59	50	µg/	118	7 - 13
			1	0	g	%	0 - 0
			58	50	µg/	117	7 - 13
			5	0	g	%	0 - 0
			61	50	µg/	123	7 - 13
			3	0	g	%	0 - 0
			54	50	µg/	109	7 - 13
			7	0	g	%	0 - 0
			59	50	µg/	118	7 - 13
			0	0	g	%	0 - 0
			57	50	µg/	116	7 - 13
			9	0	g	%	0 - 0
			57	50	µg/	115	7 - 13
			3	0	g	%	0 - 0
			60	50	µg/	120	7 - 13
			2	0	g	%	0 - 0
			63	50	µg/	127	7 - 13
			7	0	g	%	0 - 0
			58	50	µg/	116	7 - 13
			0	0	g	%	0 - 0

Test results relate only to the parameters listed and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Testing in accordance with: OAR 333-007-0430

58	50	µg/	116	7 - 13
2	0	g	%	0 - 0
61	50	µg/	122	7 - 13
0	0	g	%	0 - 0
61	50	µg/	122	7 - 13
0	0	g	%	0 - 0



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-
Report Date: 011796/D026.R000
ORELAP#: 10/07/2022
Purchase Order: OR100028
Received: 09/30/22 10:16



Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2208424

Laboratory Control Sample										
Analyte LCS	Result	Spike	Units	% Rec Limits			Evaluation	Notes		
CBDVA	2	0.106	0.10	%	102	80.	-	12	Acceptable	
CBDV	2	0.114	3	%	104	0	-	0	Acceptable	
CBE	2	0.104	0.11	%	99.	80.	-	12	Acceptable	
EBDA	1	0.102	0	%	7	0	-	0	Acceptable	
CBGA	1	0.102	0.10	%	101	80.	-	12	Acceptable	
CBG	1	0.105	5	%	101	0	-	0	Acceptable	
CBN	1	0.108	0.10	%	102	90.	-	11	Acceptable	
THCV	2	0.112	0	%	105	0	-	0	Acceptable	
d8THCV	2	0.110	0.10	%	99	80.	-	12	Acceptable	
THCVA	2	0.107	1	%	2	0	-	0	Acceptable	
CBN	1	0.099	0.10	%	99.	80.	-	12	Acceptable	
exo-THC	2	9	3	%	4	0	-	0	Acceptable	
d9THC	1	0.098	0.10	%	106	90.	-	11	Acceptable	
d8THC	1	9	3	%	98.	0	-	0	Acceptable	
CBL	2	0.098	0.11	%	8	80.	-	12	Acceptable	
d10THC	1	9	3	%	96.	0	-	0	Acceptable	
CBG	2	0.097	0.11	%	5	80.	-	12	Acceptable	
THCA	1	0	0	%	95.	0	-	0	Acceptable	
CBGA	2	0.099	0.10	%	5	80.	-	12	Acceptable	
CBLA	2	1	1	%	96.	0	-	0	Acceptable	
CRT	2	0.092	0.10	%	6	90.	-	11	Acceptable	
		0.106	0.10		97	80		12		
		0.095	3		0	0		0		
		0.095	3		98.	90.		11		
CBDVA	0.110	<LOQ	0.077	%	3	0	<0.077	0	Acceptable	
CBDV	0.058	<LOQ	0.077	%	96.	90.	<0.077	11	Acceptable	
CBE	2	<LOQ	0.077	%	2	0	<0.077	0	Acceptable	
EBDA	0.102	<LOQ	0.077	%	104	80.	<0.077	12	Acceptable	
CBGA	<LOQ	0.077	%	104	0	<0.077	0	Acceptable		
CBG	<LOQ	0.077	%	91.	80.	<0.077	12	Acceptable		
CBN	<LOQ	0.077	%	0	6	<0.077	0	Acceptable		
THCV	<LOQ	0.077	%	0	6	<0.077	0	Acceptable		
d8THCV	<LOQ	0.077	%	0	60.	<0.077	12	Acceptable		
THCVA	<LOQ	0.077	%	0	0	<0.077	0	Acceptable		
CBN	<LOQ	0.077	%	0	90.	<0.077	11	Acceptable		
exo-THC	<LOQ	0.077	%	0	0	<0.077	0	Acceptable		
d9THC	<LOQ	0.077	%	0	80.	<0.077	12	Acceptable		
d8THC	<LOQ	0.077	%	0	0	<0.077	0	Acceptable		
CBL	<LOQ	0.077	%	0	80.	<0.077	12	Acceptable		
d10THC	<LOQ	0.077	%	0	0	<0.077	0	Acceptable		
CBG	<LOQ	0.077	%	0	80.	<0.077	12	Acceptable		
THCA	<LOQ	0.077	%	0	0	<0.077	0	Acceptable		
CBGA	<LOQ	0.077	%	0	<0.077	0	Acceptable			
CBLA	<LOQ	0.077	%	0	<0.077	0	Acceptable			
CRT	<LOQ	0.077	%	0	<0.077	0	Acceptable			

ND - None Detected at or above MRI
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:
% - Percent



Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AGAC 2015 V98-6		Batch ID: 2208424						
Sample Duplicate		Sample ID: 22-011796-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits Evaluation	Notes	
CBDVA			<100 <100 0.077	%	NA < 20	Acceptable		
CBDV		0.546	0.318 0.077	%	5.67 < 20	Acceptable		
CBE		3.073	1.66 0.077	%	5.66 < 20	Acceptable		
CBDA		<100	<100 0.077	%	NA < 20	Acceptable		
CBGA		<100	<100 0.077	%	NA < 20	Acceptable		
CBG		1.871	1.75 0.077	%	6.75 < 20	Acceptable		
CBN		54.855	7.0 0.077	%	1.63 < 20	Acceptable		
THCV		<100	<100 0.077	%	NA < 20	Acceptable		
d8THCV		<100	<100 0.077	%	NA < 20	Acceptable		
THCVA		<100	<100 0.077	%	NA < 20	Acceptable		
CBN		2.592	1.44 0.077	%	5.98 < 20	Acceptable		
exo-THC		<100	<100 0.077	%	NA < 20	Acceptable		
d9THC		<100	<100 0.077	%	NA < 20	Acceptable		
deltaTHC		<100	<100 0.077	%	NA < 20	Acceptable		
CBL		<100	<100 0.077	%	NA < 20	Acceptable		
deltaTHC		<100	<100 0.077	%	NA < 20	Acceptable		
CBG		3.493	3.31 0.077	%	5.20 < 20	Acceptable		
THCA		<100	<100 0.077	%	NA < 20	Acceptable		
CBGA		<100	<100 0.077	%	NA < 20	Acceptable		
CBLA		<100	<100 0.077	%	NA < 20	Acceptable		
CRT		6.924	4.0 0.077	%	7.85 < 20	Acceptable		

ND - None Detected or above MRL
Abbreviations: RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:



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Report Number: 22-
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Received: 09/30/22 10:16



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Hemp
CO



Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.