

Cherry Valley Growers

2750 Count Rd 31, Cherry Valley, NY
Cherryvalleygrowers@gmail.com
607-437-7643
License #: OCM-AUCC-22-000191

Certificate of Analysis

Final



Date Released: 1/31/2024 2:00:38PM

Report #: 10149

Blueberry Lemonade .5g

Sample #: 3664, Weight: 7.00g, Unit Count:

Order #: X240118-0002

Category/Type: Plant, Preroll

Date Collected: 1/18/2024 6:27:04PM

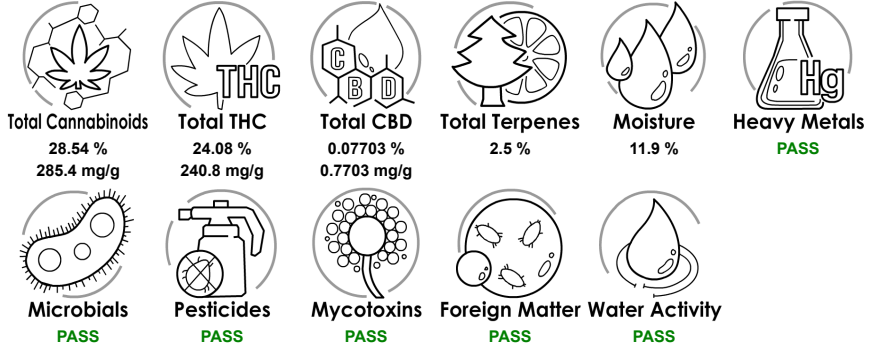
Date Received: 1/18/2024 6:50:06PM

Regulator Sample ID: IBCVDBBL0IA05

Regulator Source Package ID: IBCVDBBL0IA05

Regulator Batch ID: IBCVDBBL0IA05

Size: 7701Units, Unit Count:



Potency Analysis by HPLC

Total Cannabinoids: 28.54 % - 285.4 mg/g
Total THC: 24.08 % - 240.8 mg/g
Total CBD: 0.07703 % - 0.7703 mg/g

Date Completed: 01/26/2024 2:48PM

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCa	23978-85-0	0.001000	26.88	268.8	
CBGa	25555-57-1	0.001000	0.9969	9.969	
d9-THC	1972-08-3	0.001000	0.5087	5.087	
CBDa	1244-58-2	0.001000	0.08783	0.8783	
CBG	25654-31-3	0.001000	0.06554	0.6554	
d8-THC	5957-75-5	0.001000	ND	ND	
d10-THC	95543-62-7	0.001000	ND	ND	
THCV	31262-37-0	0.001000	ND	ND	
CBD	13956-29-1	0.001000	ND	ND	
CBDV	24274-48-4	0.001000	ND	ND	
CBC	20675-51-8	0.001000	ND	ND	
CBN	521-35-7	0.001000	ND	ND	

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.
Amended to update lot size.
Amended to correct potencies to account for dry-weight equivalency. 1/31/24

If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.

Keystone State Testing of New York
1809 Vestal Pkwy E
Vestal, NY 13850
(607)301-0884
InfoNY@KeystoneStateTesting.com
www.KeystoneStateTesting.com
Permit #: OCM-CPL-2022-00007

ACCREDITED
CERTIFICATE NUMBER 4405.03

Dr. Kelly Greenland, Lab Director



Cherry Valley Growers

2750 Count Rd 31, Cherry Valley, NY
Cherryvalleygrowers@gmail.com
607-437-7643
License #: OCM-AUCC-22-000191

Certificate of Analysis

Final



Sample #: 3664

Blueberry Lemonade .5g

Test Comment: Cannabinoids analyzed by HPLC using P-NY100. The reported result is based on a sample weight using moisture content for flower samples unless moisture is listed as zero or ND. Unless otherwise stated all QC passed.
d8-THC is an abbreviation for delta-8 tetrahydrocannabinol. d9-THC is an abbreviation for delta-9 tetrahydrocannabinol.

Terpenes by HS-GC-MS

Date Completed: 01/26/2024 2:37PM



Compound	CAS#	LOQ (%)	%	Relative Concentration
Farnesene	502-61-4	0.1000	0.9769	<div></div>
Terpinolene	586-62-9	0.1000	0.6408	<div></div>
Beta-caryophyllene	87-44-5	0.1000	0.4428	<div></div>
Ocimene	13877-91-3	0.1000	0.1855	<div></div>
Alpha-humulene	6753-98-6	0.1000	0.1312	<div></div>
Alpha-bisabolol	515-69-5	0.1000	0.1173	<div></div>
Beta-myrcene	123-35-3	0.1000	ND	
Limonene	5989-27-5	0.1000	ND	
Alpha-pinene	80-56-8	0.1000	ND	
Linalool	78-70-6	0.1000	ND	
Beta-pinene	127-91-3	0.1000	ND	
Borneol	464-45-9	0.1000	ND	
Caryophyllene-oxide	1139-30-6	0.1000	ND	
Geraniol	106-24-1	0.1000	ND	
Camphene	79-92-5	0.1000	ND	
Guaiol	489-86-1	0.1000	ND	
Alpha-terpinene	99-86-5	0.1000	ND	
Terpineol	8006-39-1	0.1000	ND	

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.
Amended to update lot size.
Amended to correct potencies to account for dry-weight equivalency. 1/31/24

If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.



Keystone State Testing of New York
1809 Vestal Pkwy E
Vestal, NY 13850
(607)301-0884
InfoNY@KeystoneStateTesting.com
www.KeystoneStateTesting.com
Permit #: OCM-CPL-2022-00007

Kelly Greenland

Dr. Kelly Greenland, Lab Director



Cherry Valley Growers
 2750 Count Rd 31, Cherry Valley, NY
 Cherryvalleygrowers@gmail.com
 607-437-7643
 License #: OCM-AUCC-22-000191

Certificate of Analysis

Final



Sample #: 3664 **Blueberry Lemonade .5g**

Compound	CAS#	LOQ (%)	%	Relative Concentration
Fenchol	14575-74-7	0.1000	ND	
Valencene	4630-07-3	0.1000	ND	
Alpha-phellandrene	99-83-2	0.1000	ND	
Camphor	464-49-3	0.1000	ND	
3-Carene	13466-78-9	0.1000	ND	
Alpha-cedrene	469-61-4	0.1000	ND	
Cedrol	77-53-2	0.1000	ND	
Eucalyptol	470-82-6	0.1000	ND	
Fenchone	1195-79-5	0.1000	ND	
Gamma-terpinene	99-85-4	0.1000	ND	
Geranyl Acetate	105-87-3	0.1000	ND	
Isopulegol	89-79-2	0.1000	ND	
Menthol	15356-70-4	0.1000	ND	
Nerol	106-25-2	0.1000	ND	
Nerolidol		0.1000	ND	
Pulegone	89-82-7	0.1000	ND	
Sabinene	3387-41-5	0.1000	ND	
Sabinene Hydrate	546-79-2	0.1000	ND	



Test Comment: Terpenes tested by GCMS using P-NY210. Unless otherwise stated, all QC passed.

Foreign Matter by Microscopy			Pass	Analysis Date: 01/26/2024 2:37 pm
Compound	LOQ (%)	Limits (%)	Result (%)	Status
% Foreign Matter	0.00100	2.0	ND	Pass
Mammalian Exreta	0.00100	0.03	ND	Pass
Stems	0.00100	5.0	ND	Pass


Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.


This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.
 Amended to update lot size.
 Amended to correct potencies to account for dry-weight equivalency. 1/31/24

If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.

Keystone State Testing of New York
 1809 Vestal Pkwy E
 Vestal, NY 13850
 (607)301-0884
 InfoNY@KeystoneStateTesting.com
 www.KeystoneStateTesting.com
 Permit #: OCM-CPL-2022-00007


 Dr. Kelly Greenland, Lab Director



Cherry Valley Growers
 2750 Count Rd 31, Cherry Valley, NY
 Cherryvalleygrowers@gmail.com
 607-437-7643
 License #: OCM-AUCC-22-000191

Certificate of Analysis

Final



Sample #: 3664 **Blueberry Lemonade .5g**

Moisture LWG		Pass		Analysis Date: 01/26/2024 2:37 pm
Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture	1.2	5 - 15	11.9	Pass
Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.				

Water Activity		Pass		Analysis Date: 01/26/2024 2:37 pm
Compound	LOQ (Aw)	Limits (Aw)	Result (Aw)	Status
Water Activity	0.05	0.65	0.50	Pass
Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.				

Pesticides by LCMSMS		Pass		Analysis Date: 01/26/2024 2:37 pm
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Abamectin	0.0100	0.500	ND	Pass
Acephate	0.0100	0.400	ND	Pass
Acequinocyl	0.0100	2.00	ND	Pass
Acetamiprid	0.0100	0.200	ND	Pass
Aldicarb	0.0100	0.400	ND	Pass
Azadirachtin	0.0100	1.00	ND	Pass
Azoxystrobin	0.0100	0.200	ND	Pass
Bifenazate	0.0100	0.200	ND	Pass
Bifenthrin	0.0100	0.200	ND	Pass
Boscalid	0.0100	0.400	ND	Pass
Captan	0.0100	1.00	ND	Pass
Carbaryl	0.0100	0.200	ND	Pass
Carbofuran	0.0100	0.200	ND	Pass
Chlorantraniliprole	0.0100	0.200	ND	Pass
Chlordane-alpha	0.0100	1.00	ND	Pass

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.
 Amended to update lot size.
 Amended to correct potencies to account for dry-weight equivalency. 1/31/24

If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.




Keystone State Testing of New York
 1809 Vestal Pkwy E
 Vestal, NY 13850
 (607)301-0884
 InfoNY@KeystoneStateTesting.com
 www.KeystoneStateTesting.com
 Permit #: OCM-CPL-2022-00007

Kelly N. Greenland
 Dr. Kelly Greenland, Lab Director



Cherry Valley Growers
 2750 Count Rd 31, Cherry Valley, NY
 Cherryvalleygrowers@gmail.com
 607-437-7643
 License #: OCM-AUCC-22-000191

Certificate of Analysis

Final



Sample #: 3664

Blueberry Lemonade .5g

Pesticides by LCMSMS		Pass		Analysis Date: 01/26/2024 2:37 pm	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status	
Chlorfenapyr	0.0100	1.00	ND	Pass	
Chlormequat Chloride	0.0100	1.00	ND	Pass	
Chlorpyrifos	0.0100	0.200	ND	Pass	
Clofentezine	0.0100	0.200	ND	Pass	
Coumaphos	0.0100	1.00	ND	Pass	
Cyfluthrin	0.0100	1.00	ND	Pass	
Cypermethrin	0.0100	1.00	ND	Pass	
Daminozide	0.0100	1.00	ND	Pass	
Diazinon	0.0100	0.200	ND	Pass	
Dichlorvos	0.0100	1.00	ND	Pass	
Dimethoate	0.0100	0.200	ND	Pass	
Dimethomorph	0.0100	1.00	ND	Pass	
Ethoprophos	0.0100	0.200	ND	Pass	
Etofenprox	0.0100	0.400	ND	Pass	
Etoxazole	0.0100	0.200	ND	Pass	
Fenhexamid	0.0100	1.00	ND	Pass	
Fenoxycarb	0.0100	0.200	ND	Pass	
Fenpyroximate	0.0100	0.400	ND	Pass	
Fipronil	0.0100	0.400	ND	Pass	
Flonicamid	0.0100	1.00	ND	Pass	
Fludioxonil	0.0100	0.400	ND	Pass	
Hexythiazox	0.0100	1.00	ND	Pass	
Imazalil	0.0100	0.200	ND	Pass	
Imidacloprid	0.0100	0.400	ND	Pass	
Indolebutyric Acid	0.0100	1.00	ND	Pass	

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.
 Amended to update lot size.
 Amended to correct potencies to account for dry-weight equivalency. 1/31/24

If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.




Keystone State Testing of New York
 1809 Vestal Pkwy E
 Vestal, NY 13850
 (607)301-0884
 InfoNY@KeystoneStateTesting.com
 www.KeystoneStateTesting.com
 Permit #: OCM-CPL-2022-00007

Kelly Greenland
 Dr. Kelly Greenland, Lab Director



Cherry Valley Growers
 2750 Count Rd 31, Cherry Valley, NY
 Cherryvalleygrowers@gmail.com
 607-437-7643
 License #: OCM-AUCC-22-000191

Certificate of Analysis

Final



Sample #: 3664

Blueberry Lemonade .5g


Pesticides by LCMSMS		Pass		Analysis Date: 01/26/2024 2:37 pm	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status	
Kresoxim-methyl	0.0100	0.400	ND	Pass	
Malathion	0.0100	0.200	ND	Pass	
Metalaxyl	0.0100	0.200	ND	Pass	
Methiocarb	0.0100	0.200	ND	Pass	
Methomyl	0.0100	0.400	ND	Pass	
Methyl Parathion	0.0100	0.200	ND	Pass	
Mevinphos	0.0100	1.00	ND	Pass	
MGK-264	0.0100	0.200	ND	Pass	
Myclobutanil	0.0100	0.200	ND	Pass	
Naled	0.0100	0.500	ND	Pass	
Oxamyl	0.0100	1.00	ND	Pass	
Paclobutrazol	0.0100	0.400	ND	Pass	
Pentachloronitrobenzene	0.0100	1.00	ND	Pass	
Permethrins, Total	0.0100	0.200	ND	Pass	
Phosmet	0.0100	0.200	ND	Pass	
Piperonyl Butoxide	0.0100	2.00	ND	Pass	
Prallethrin	0.0100	0.200	ND	Pass	
Propiconazole	0.0100	0.400	ND	Pass	
Propoxur	0.0100	0.200	ND	Pass	
Pyrethrins Total	0.0100	1.00	ND	Pass	
Pyridaben	0.0100	0.200	ND	Pass	
Spinetoram Total	0.0100	1.00	ND	Pass	
Spinosad Total	0.0100	0.200	ND	Pass	
Spiromesifen	0.0100	0.200	ND	Pass	
Spirotetramat	0.0100	0.200	ND	Pass	

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.
 Amended to update lot size.
 Amended to correct potencies to account for dry-weight equivalency. 1/31/24

If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.




Keystone State Testing of New York
 1809 Vestal Pkwy E
 Vestal, NY 13850
 (607)301-0884
 InfoNY@KeystoneStateTesting.com
 www.KeystoneStateTesting.com
 Permit #: OCM-CPL-2022-00007


 Dr. Kelly Greenland, Lab Director



Cherry Valley Growers
 2750 Count Rd 31, Cherry Valley, NY
 Cherryvalleygrowers@gmail.com
 607-437-7643
 License #: OCM-AUCC-22-000191

Certificate of Analysis

Final



Sample #: 3664 **Blueberry Lemonade .5g**

Pesticides by LCMSMS		Pass		Analysis Date: 01/26/2024 2:37 pm	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status	
Spiroxamine	0.0100	0.200	ND	Pass	
Tebuconazole	0.0100	0.400	ND	Pass	
Thiacloprid	0.0100	0.200	ND	Pass	
Thiamethoxam	0.0100	0.200	ND	Pass	
Trifloxystrobin	0.0100	0.200	ND	Pass	

Comment: Pesticides tested by LCMSMS by using P-NY150. Unless otherwise stated, all QC passed.

Mycotoxins by LCMSMS		Pass		Analysis Date: 01/26/2024 2:37 pm	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status	
Aflatoxin B1	0.0050	0.020	ND	Pass	
Aflatoxin B2	0.0050	0.020	ND	Pass	
Aflatoxin G1	0.0050	0.020	ND	Pass	
Aflatoxin G2	0.0050	0.020	ND	Pass	
Ochratoxin A	0.0050	0.020	ND	Pass	
Total Aflatoxin	0.0050	0.020	ND	Pass	

Comment: Mycotoxin contamination tested by LCMSMS using P-NY125. Unless otherwise stated, all QC passed.

Heavy Metals by ICPMS		Pass		Analysis Date: 01/26/2024 2:37 pm	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status	
Antimony	0.0100	2.00	0.0658	Pass	
Arsenic	0.00100	0.200	0.0240	Pass	
Cadmium	0.00150	0.300	0.195	Pass	
Chromium	0.280	110	1.69	Pass	
Copper	0.0750	30.0	15.2	Pass	
Lead	0.00250	0.500	0.212	Pass	

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.
 Amended to update lot size.
 Amended to correct potencies to account for dry-weight equivalency. 1/31/24

If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.



Keystone State Testing of New York
 1809 Vestal Pkwy E
 Vestal, NY 13850
 (607)301-0884
 InfoNY@KeystoneStateTesting.com
 www.KeystoneStateTesting.com
 Permit #: OCM-CPL-2022-00007

Kelly N. Greenland

Dr. Kelly Greenland, Lab Director



Cherry Valley Growers
2750 Count Rd 31, Cherry Valley, NY
Cherryvalleygrowers@gmail.com
607-437-7643
License #: OCM-AUCC-22-000191

Certificate of Analysis

Final



Sample #: 3664

Blueberry Lemonade .5g

Heavy Metals by ICPMS		Pass		Analysis Date: 01/26/2024 2:37 pm	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status	
Mercury	0.000500	0.100	0.00519	Pass	
Nickel	0.0100	5.00	0.853	Pass	
Comment:	Heavy Metal contamination tested by ICPMS using P-NY140. Unless otherwise stated, all QC passed.				


Micro by Petri & qPCR		Pass		Analysis Date: 01/24/2024 9:44 am	
Compound	LOQ (CFU/g)	Limits (CFU/g)	Result (CFU/g)	Status	
Aspergillus flavus Qualitative	1	0	Not Detected	Pass	
Aspergillus fumigatus Qualitative	1	0	Not Detected	Pass	
Aspergillus niger Qualitative	1	0	Not Detected	Pass	
Aspergillus terreus Qualitative	1	0	Not Detected	Pass	
Salmonella Qualitative	1	0	Not Detected	Pass	
Shiga Toxin-Producing E. coli Qualitative	1	0	Not Detected	Pass	
Total Aerobic Bacteria	10		<LOQ	Pass	
Total Yeast & Mold	10		<LOQ	Pass	
Comment:	Microbial contamination tested by Petrifilm plates and qPCR using P-NY120. Unless otherwise stated, all QC passed. Due to COA validation limitations: "Not Detected" = "Absent" and "Detected" = "Presumptive Presence". Acceptance Limits: "0" = "Absence" and "1" = "Presence".				

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.
Amended to update lot size.
Amended to correct potencies to account for dry-weight equivalency. 1/31/24

If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.



Keystone State Testing of New York
1809 Vestal Pkwy E
Vestal, NY 13850
(607)301-0884
InfoNY@KeystoneStateTesting.com
www.KeystoneStateTesting.com
Permit #: OCM-CPL-2022-00007


Dr. Kelly Greenland, Lab Director

