



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



Report Number: 22-001974/D004.R001
Report Date: 03/01/2022
ORELAP#: OR100028
Purchase Order:
Received: 02/21/22 08:55

This is an amended version of report# 22-001974/D004.R000.
 Reason: Updated customer information.

Customer: Summit
Product identity: Summit 15mg Lot 0900
Client/Metric ID:
Laboratory ID: 22-001974-0001

Summary

Potency:

Analyte per 7.9g	Result	Limits	Units	Status	
Δ9-THC per 7.9g	16.8		mg/7.9g		THC-Total per 7.9g 16.8 mg/7.9g
					CBD-Total per 7.9g <LOQ
(Reported in milligrams per serving)					

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Less than LOQ for all analytes.

Metals:

Less than LOQ for all analytes.

Microbiology:

Analyte	Result	Units
Aerobic Plate Count	10	cfu/g



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Customer: Summit
 United States of America (USA)
Product identity: Summit 15mg Lot 0900
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-001974-0001
Evidence of Cooling: No
Temp: 21 °C
Relinquished by: UPS
Serving Size #1: 7.9 g

Sample Results

Potency per 7.9g	Method J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2201627	Analyze: 2/24/22 10:31:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 7.9g [†]	< LOQ		mg/7.9g	0.0316	
CBC-A per 7.9g [†]	< LOQ		mg/7.9g	0.0316	
CBC-Total per 7.9g [†]	< LOQ		mg/7.9g	0.0593	
CBD per 7.9g	< LOQ		mg/7.9g	0.0316	
CBD-A per 7.9g	< LOQ		mg/7.9g	0.0316	
CBD-Total per 7.9g	< LOQ		mg/7.9g	0.0593	
CBDV per 7.9g [†]	< LOQ		mg/7.9g	0.0316	
CBDV-A per 7.9g [†]	< LOQ		mg/7.9g	0.0316	
CBDV-Total per 7.9g [†]	< LOQ		mg/7.9g	0.0589	
CBE per 7.9g [†]	< LOQ		mg/7.9g	0.0316	
CBG per 7.9g [†]	< LOQ		mg/7.9g	0.0316	
CBG-A per 7.9g [†]	< LOQ		mg/7.9g	0.0316	
CBG-Total per 7.9g [†]	< LOQ		mg/7.9g	0.0589	
CBL per 7.9g [†]	< LOQ		mg/7.9g	0.0316	
CBL-A per 7.9g [†]	< LOQ		mg/7.9g	0.0316	
CBL-Total per 7.9g [†]	< LOQ		mg/7.9g	0.0593	
CBN per 7.9g	< LOQ		mg/7.9g	0.0316	
CBT per 7.9g [†]	< LOQ		mg/7.9g	0.0316	
Δ8-THCV per 7.9g [†]	< LOQ		mg/7.9g	4.04	
Δ8-THC per 7.9g [†]	< LOQ		mg/7.9g	4.04	
Δ9-THC per 7.9g	16.8		mg/7.9g	4.04	
exo-THC per 7.9g [†]	< LOQ		mg/7.9g	0.0316	
THC-A per 7.9g	< LOQ		mg/7.9g	4.04	
THC-Total per 7.9g	16.8		mg/7.9g	8.08	
THCV per 7.9g [†]	< LOQ		mg/7.9g	0.0316	
THCV-A per 7.9g [†]	< LOQ		mg/7.9g	0.0316	
THCV-Total per 7.9g [†]	< LOQ		mg/7.9g	0.0593	
Total Cannabinoids per 7.9g	16.8		mg/7.9g		



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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Aerobic Plate Count	10	10,000.00	cfu/g	10	2201485	02/23/22	AOAC 990.12 (Petrifilm)	pass	X
E.coli	< LOQ	100.00	cfu/g	10	2201483	02/23/22	AOAC 991.14 (Petrifilm)	pass	X
Total Coliforms	< LOQ	100.00	cfu/g	10	2201483	02/23/22	AOAC 991.14 (Petrifilm)	pass	X
Mold (RAPID Petrifilm)	< LOQ	1,000.00	cfu/g	10	2201484	02/24/22	AOAC 2014.05 (RAPID)	pass	X
Yeast (RAPID Petrifilm)	< LOQ	1,000.00	cfu/g	10	2201484	02/24/22	AOAC 2014.05 (RAPID)	pass	X
Salmonella spp. by PCR	Negative		/25g		2201487	02/22/22	AOAC 2020.02		X
EHEC including STEC	Negative		/25g		2201518	02/22/22	AOAC RI 121806		X

Solvents		Method Residual Solvents by GC/MS				Units µg/g	Batch 2201647	Analyze 02/24/22 01:18 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
2-Methylbutane (Isopentane)	< LOQ	1000	200			2-Methylpentane	< LOQ	60.0	30.0		
2-Propanol (IPA)	< LOQ	1000	200			2,2-Dimethylbutane	< LOQ	60.0	30.0		
2,2-Dimethylpropane (neo-pentane)	< LOQ	1000	200			2,3-Dimethylbutane	< LOQ	60.0	30.0		
3-Methylpentane	< LOQ	60.0	30.0			Acetone	< LOQ	1000	200		
Benzene	< LOQ	2.00	1.00			Butanes (sum)	< LOQ	1000	400		
Ethanol ¹	< LOQ	1000	200			Ethyl acetate	< LOQ	1000	200		
Hexanes (sum)	< LOQ	60.0	150			m,p-Xylene	< LOQ	430	200		
Methanol	< LOQ	600	200			Methylpropane (Isobutane)	< LOQ	1000	200		
n-Butane	< LOQ	1000	200			n-Heptane	< LOQ	1000	200		
n-Hexane	< LOQ	60.0	30.0			n-Pentane	< LOQ	1000	200		
o-Xylene	< LOQ	430	200			Pentanes (sum)	< LOQ	1000	600		
Propane	< LOQ	1000	200			Toluene	< LOQ	180	100		
Total Xylenes	< LOQ	430	400								

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 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430



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Pesticides						Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2201661 Analyze 02/25/22 10:22 AM					
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ		0.070			Acephate	< LOQ		0.020		
Acequinocyl	< LOQ		0.025			Acetamiprid	< LOQ		0.050		
Aldicarb	< LOQ		0.100			Bifenazate	< LOQ		0.010		
Bifenthrin	< LOQ		0.100			Boscalid	< LOQ		0.010		
Carbaryl	< LOQ		0.025			Carbofuran	< LOQ		0.010		
Chlorantraniliprole	< LOQ		0.010			Chlorfenapyr	< LOQ		0.100		
Chlorpyrifos	< LOQ		0.010			Clofentezine	< LOQ		0.010		
Cyfluthrin	< LOQ		0.200			Cypermethrin	< LOQ		0.300		
Daminozide	< LOQ		0.050			Diazinon	< LOQ		0.010		
Dichlorvos	< LOQ		0.050			Dimethoate	< LOQ		0.010		
Ethoprophos	< LOQ		0.010			Etofenprox	< LOQ		0.010		
Etoxazole	< LOQ		0.010			Fenoxycarb	< LOQ		0.010		
Fenpyroximate	< LOQ		0.020			Fipronil	< LOQ		0.010		
Fonicamid	< LOQ		0.025			Fludioxonil	< LOQ		0.010		
Hexythiazox	< LOQ		0.010			Imazalil	< LOQ		0.010		
Imidacloprid	< LOQ		0.010			Kresoxim-methyl	< LOQ		0.010		
Malathion	< LOQ		0.010			Metalaxyl	< LOQ		0.010		
Methiocarb	< LOQ		0.010			Methomyl	< LOQ		0.025		
MGK-264	< LOQ		0.050			Myclobutanil	< LOQ		0.010		
Naled	< LOQ		0.100			Oxamyl	< LOQ		0.500		
Paclobutrazole	< LOQ		0.010			Parathion-Methyl	< LOQ		0.030		
Permethrin	< LOQ		0.040			Phosmet	< LOQ		0.010		
Piperonyl butoxide	< LOQ		0.200			Prallethrin	< LOQ		0.050		
Propiconazole	< LOQ		0.010			Propoxur	< LOQ		0.010		
Pyrethrins (total)	< LOQ		0.025			Pyridaben	< LOQ		0.020		
Spinosad	< LOQ		0.010			Spiromesifen	< LOQ		0.030		
Spirotetramat	< LOQ		0.010			Spiroxamine	< LOQ		0.010		
Tebuconazole	< LOQ		0.010			Thiacloprid	< LOQ		0.010		
Thiamethoxam	< LOQ		0.010			Trifloxystrobin	< LOQ		0.010		



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Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2201668	Analyze 02/24/22 06:59 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
farnesene [†]	< LOQ	0.018	0.00%		Geraniol [†]	< LOQ	0.018	0.00%	
nerol [†]	< LOQ	0.018	0.00%		Terpinolene [†]	< LOQ	0.018	0.00%	
Geranyl acetate [†]	< LOQ	0.018	0.00%		valencene [†]	< LOQ	0.018	0.00%	
(+)-Pulegone [†]	< LOQ	0.018	0.00%		Sabinene hydrate [†]	< LOQ	0.018	0.00%	
(±)-cis-Nerolidol [†]	< LOQ	0.018	0.00%		Menthol [†]	< LOQ	0.018	0.00%	
(-)-α-Terpineol [†]	< LOQ	0.018	0.00%		(±)-fenchone [†]	< LOQ	0.018	0.00%	
(±)-trans-Nerolidol [†]	< LOQ	0.018	0.00%		β-Caryophyllene [†]	< LOQ	0.018	0.00%	
(-)-caryophyllene oxide [†]	< LOQ	0.018	0.00%		(-)-Guaiol [†]	< LOQ	0.018	0.00%	
(-)-Isopulegol [†]	< LOQ	0.018	0.00%		(-)-β-Pinene [†]	< LOQ	0.018	0.00%	
(+)-Borneol [†]	< LOQ	0.018	0.00%		(+)-Cedrol [†]	< LOQ	0.018	0.00%	
(+)-fenchol [†]	< LOQ	0.018	0.00%		(±)-Camphor [†]	< LOQ	0.018	0.00%	
(R)-(+)-Limonene [†]	< LOQ	0.018	0.00%		a-Bisabolol [†]	< LOQ	0.018	0.00%	
a-cedrene [†]	< LOQ	0.018	0.00%		a-phellandrene [†]	< LOQ	0.018	0.00%	
a-pinene [†]	< LOQ	0.018	0.00%		a-Terpinene [†]	< LOQ	0.018	0.00%	
Camphene [†]	< LOQ	0.018	0.00%		cis-β-Ocimene [†]	< LOQ	0.006	0.00%	
d-3-Carene [†]	< LOQ	0.018	0.00%		Eucalyptol [†]	< LOQ	0.018	0.00%	
gamma-Terpinene [†]	< LOQ	0.018	0.00%		Humulene [†]	< LOQ	0.018	0.00%	
Isoborneol [†]	< LOQ	0.018	0.00%		Linalool [†]	< LOQ	0.018	0.00%	
p-Cymene [†]	< LOQ	0.018	0.00%		Sabinene [†]	< LOQ	0.018	0.00%	
β-Myrcene [†]	< LOQ	0.018	0.00%		trans-β-Ocimene [†]	< LOQ	0.012	0.00%	
Total Terpenes	< LOQ								

Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ	1.50	mg/kg	0.0119	2201656	02/24/22	AOAC 2013.06 (mod.)	pass	X
Cadmium	< LOQ	0.50	mg/kg	0.0119	2201656	02/24/22	AOAC 2013.06 (mod.)	pass	X
Lead	< LOQ	0.50	mg/kg	0.0119	2201656	02/24/22	AOAC 2013.06 (mod.)	pass	X
Mercury	< LOQ	1.50	mg/kg	0.00597	2201656	02/24/22	AOAC 2013.06 (mod.)	pass	X

Mycotoxins									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Aflatoxin B2 [†]	< LOQ	5.00	µg/kg	5.00	2201648	02/24/22	AOAC 2007.01 & EN 15	pass	
Aflatoxin B1 [†]	< LOQ	5.00	µg/kg	5.00	2201648	02/24/22	AOAC 2007.01 & EN 15	pass	
Aflatoxin G1 [†]	< LOQ	5.00	µg/kg	5.00	2201648	02/24/22	AOAC 2007.01 & EN 15	pass	
Aflatoxin G2 [†]	< LOQ	5.00	µg/kg	5.00	2201648	02/24/22	AOAC 2007.01 & EN 15	pass	
Deoxynivalenol [†]	< LOQ		µg/kg	200	2201648	02/24/22	AOAC 2007.01 & EN 15		
Fumonisin B1 [†]	< LOQ		µg/kg	200	2201648	02/24/22	AOAC 2007.01 & EN 15		
Fumonisin B2 [†]	< LOQ		µg/kg	200	2201648	02/24/22	AOAC 2007.01 & EN 15		
HT2-Toxin [†]	< LOQ		µg/kg	40.0	2201648	02/24/22	AOAC 2007.01 & EN 15		
Nivalenol [†]	< LOQ		µg/kg	400	2201648	02/24/22	AOAC 2007.01 & EN 15		
Ochratoxin A [†]	< LOQ	5.00	µg/kg	5.00	2201648	02/24/22	AOAC 2007.01 & EN 15	pass	
Ochratoxin B [†]	< LOQ		µg/kg	2.00	2201648	02/24/22	AOAC 2007.01 & EN 15		
T2-Toxin [†]	< LOQ		µg/kg	20.0	2201648	02/24/22	AOAC 2007.01 & EN 15		
Zearalenone [†]	< LOQ		µg/kg	200	2201648	02/24/22	AOAC 2007.01 & EN 15		



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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.

Threshold Note: Action levels per 6 CCR 1010-21 CDPHE requirements

† = Analyte not NELAP accredited.

Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

g = Gram

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/7.9g = Milligram per 7.9g

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager