



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

Report Number: 23-004998/D002.R000
Report Date: 05/03/2023
ORELAP#: OR100028
Purchase Order:
Received: 04/25/23 12:45

Customer: USA Hemp
Product identity: 3000mg CBG TG30DSCO1200
Project Number: FSL1200
Client/Metric ID: Container Size: 30grams
Laboratory ID: 23-004998-0001

Summary

Potency:

Analyte per 30g	Result	Limits	Units	Status	
CBC per 30g	40.2		mg/30g		CBD-Total per Serving Size 61.4 mg/30g
CBC-A per 30g	3.96		mg/30g		
CBD per 30g	59.4		mg/30g		THC-Total per Serving Size 14.7 mg/30g
CBD-A per 30g	2.25		mg/30g		
CBG per 30g	3240		mg/30g		CBD-Total per Serving Size 2.05 mg/1g
CBG-A per 30g	72.9		mg/30g		
CBL per 30g	1.47		mg/30g		THC-Total per Serving Size 0.489 mg/1g
CBN per 30g	3.30		mg/30g		
CBT per 30g	16.4		mg/30g		
Δ9-THC per 30g	14.7		mg/30g		(Reported in milligrams per serving)
Analyte per 1g	Result	Limits	Units	Status	
CBC per 1g	1.34		mg/1g		
CBC-A per 1g	0.132		mg/1g		
CBD per 1g	1.98		mg/1g		
CBD-A per 1g	0.0751		mg/1g		
CBG per 1g	108		mg/1g		
CBG-A per 1g	2.43		mg/1g		
CBL per 1g	0.0490		mg/1g		
CBN per 1g	0.110		mg/1g		
CBT per 1g	0.546		mg/1g		
Δ9-THC per 1g	0.489		mg/1g		

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.



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Customer: USA Hemp
Product identity: 3000mg CBG TG30DSCO1200
Project Number: FSL1200
Client/Metric ID: Container Size: 30grams
Sample Date:
Laboratory ID: 23-004998-0001
Evidence of Cooling: No
Temp: 20 °C
Relinquished by: USPS
Serving Size #1: 30 g
Serving Size #2: 1 g

Sample Results

Potency per 30g		Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2306791	Analyze: 4/27/23 11:35:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 30g	40.2		mg/30g	0.965	
CBC-A per 30g	3.96		mg/30g	0.965	
CBC-Total per 30g	43.7		mg/30g	1.81	
CBD per 30g	59.4		mg/30g	0.965	
CBD-A per 30g	2.25		mg/30g	0.965	
CBD-Total per 30g	61.4		mg/30g	1.81	
CBDV per 30g	< LOQ		mg/30g	0.0322	
CBDV-A per 30g	< LOQ		mg/30g	0.0322	
CBDV-Total per 30g	< LOQ		mg/30g	0.0600	
CBE per 30g	< LOQ		mg/30g	0.0322	
CBG per 30g	3240		mg/30g	96.5	
CBG-A per 30g	72.9		mg/30g	0.965	
CBG-Total per 30g	3300		mg/30g	97.3	
CBL per 30g	1.47		mg/30g	0.965	
CBL-A per 30g	< LOQ		mg/30g	0.0322	
CBL-Total per 30g	< LOQ		mg/30g	1.81	
CBN per 30g	3.30		mg/30g	0.965	
CBT per 30g	16.4		mg/30g	0.965	
Δ8-THCV per 30g	< LOQ		mg/30g	0.0322	
Δ10-THC-9R per 30g	< LOQ		mg/30g	0.0322	
Δ10-THC-9S per 30g	< LOQ		mg/30g	0.0322	
Δ10-THC-Total per 30g	< LOQ		mg/30g	0.0643	
Δ8-THC per 30g	< LOQ		mg/30g	0.0322	
Δ9-THC per 30g	14.7		mg/30g	0.965	
exo-THC per 30g	< LOQ		mg/30g	0.0322	
THC-A per 30g	< LOQ		mg/30g	0.0322	
THC-Total per 30g	14.7		mg/30g	1.81	
THCV per 30g	< LOQ		mg/30g	0.0322	
THCV-A per 30g	< LOQ		mg/30g	0.0322	
THCV-Total per 30g	< LOQ		mg/30g	0.0604	



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Potency per 30g **Method:** J AOAC 2015 V98-6 (mod)^b **Units** mg/se **Batch:** 2306791 **Analyze:** 4/27/23 11:35:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
Total Cannabinoids per 30g	3450		mg/30g		

Potency per 1g **Method:** J AOAC 2015 V98-6 (mod)^b **Units** mg/se **Batch:** 2306791 **Analyze:** 4/27/23 11:35:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g	1.34		mg/1g	0.0322	
CBC-A per 1g	0.132		mg/1g	0.0322	
CBC-Total per 1g	1.46		mg/1g	0.0604	
CBD per 1g	1.98		mg/1g	0.0322	
CBD-A per 1g	0.0751		mg/1g	0.0322	
CBD-Total per 1g	2.05		mg/1g	0.0604	
CBDV per 1g	< LOQ		mg/1g	0.0322	
CBDV-A per 1g	< LOQ		mg/1g	0.0322	
CBDV-Total per 1g	< LOQ		mg/1g	0.0600	
CBE per 1g	< LOQ		mg/1g	0.0322	
CBG per 1g	108		mg/1g	3.22	
CBG-A per 1g	2.43		mg/1g	0.0322	
CBG-Total per 1g	110		mg/1g	3.24	
CBL per 1g	0.0490		mg/1g	0.0322	
CBL-A per 1g	< LOQ		mg/1g	0.0322	
CBL-Total per 1g	< LOQ		mg/1g	0.0604	
CBN per 1g	0.110		mg/1g	0.0322	
CBT per 1g	0.546		mg/1g	0.0322	
Δ8-THCV per 1g	< LOQ		mg/1g	0.0322	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0322	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0322	
Δ8-THC per 1g	< LOQ		mg/1g	0.0322	
Δ9-THC per 1g	0.489		mg/1g	0.0322	
exo-THC per 1g	< LOQ		mg/1g	0.0322	
THC-A per 1g	< LOQ		mg/1g	0.0322	
THC-Total per 1g	0.489		mg/1g	0.0604	
THCV per 1g	< LOQ		mg/1g	0.0322	
THCV-A per 1g	< LOQ		mg/1g	0.0322	
THCV-Total per 1g	< LOQ		mg/1g	0.0604	
Total Cannabinoids per 1g	115		mg/1g		



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Solvents											Method: Residual Solvents by GC/MS ^b					Units $\mu\text{g/g}$		Batch 2306832		Analyze 04/28/23 11:54 AM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes													
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass														
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)	< LOQ		200															
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass														
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200															
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0															
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass														
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass														
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass														
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass														
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	20.0	pass														
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass														
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200															
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass														
Methylpropane (Isobutane)	< LOQ		200			n-Butane	< LOQ		200															
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0															
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200															
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass														
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass														
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass														



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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) ^b											
Units mg/kg Batch 2306806 Analyze 04/28/23 06:52 AM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin [¥]	< LOQ	0.50	0.250	pass		Acephate [¥]	< LOQ	0.40	0.200	pass	
Acequinocyl [¥]	< LOQ	2.0	1.00	pass		Acetamiprid [¥]	< LOQ	0.20	0.100	pass	
Aldicarb [¥]	< LOQ	0.40	0.200	pass		Azoxystrobin [¥]	< LOQ	0.20	0.100	pass	
Bifentazate [¥]	< LOQ	0.20	0.100	pass		Bifenthrin [¥]	< LOQ	0.20	0.100	pass	
Boscalid [¥]	< LOQ	0.40	0.200	pass		Carbaryl [¥]	< LOQ	0.20	0.100	pass	
Carbofuran [¥]	< LOQ	0.20	0.100	pass		Chlorantraniliprole [¥]	< LOQ	0.20	0.100	pass	
Chlorfenapyr [¥]	< LOQ	1.0	0.500	pass		Chlorpyrifos [¥]	< LOQ	0.20	0.100	pass	
Clofentezine [¥]	< LOQ	0.20	0.100	pass		Cyfluthrin [¥]	< LOQ	1.0	0.500	pass	
Cypermethrin [¥]	< LOQ	1.0	0.500	pass		Daminozide [¥]	< LOQ	1.0	0.500	pass	
Diazinon [¥]	< LOQ	0.20	0.100	pass		Dichlorvos [¥]	< LOQ	1.0	0.500	pass	
Dimethoate [¥]	< LOQ	0.20	0.100	pass		Ethoprophos [¥]	< LOQ	0.20	0.100	pass	
Etofenprox [¥]	< LOQ	0.40	0.200	pass		Etoxazole [¥]	< LOQ	0.20	0.100	pass	
Fenoxycarb [¥]	< LOQ	0.20	0.100	pass		Fenpyroximate [¥]	< LOQ	0.40	0.200	pass	
Fipronil [¥]	< LOQ	0.40	0.200	pass		Flonicamid [¥]	< LOQ	1.0	0.400	pass	
Fludioxonil [¥]	< LOQ	0.40	0.200	pass		Hexythiazox [¥]	< LOQ	1.0	0.400	pass	
Imazali [¥]	< LOQ	0.20	0.100	pass		Imidacloprid [¥]	< LOQ	0.40	0.200	pass	
Kresoxim-methyl [¥]	< LOQ	0.40	0.200	pass		Malathion [¥]	< LOQ	0.20	0.100	pass	
Metalaxyl [¥]	< LOQ	0.20	0.100	pass		Methiocarb [¥]	< LOQ	0.20	0.100	pass	
Methomyl [¥]	< LOQ	0.40	0.200	pass		MGK-264 [¥]	< LOQ	0.20	0.100	pass	
Myclobutanil [¥]	< LOQ	0.20	0.100	pass		Naled [¥]	< LOQ	0.50	0.250	pass	
Oxamyl [¥]	< LOQ	1.0	0.500	pass		Paclobotrazole [¥]	< LOQ	0.40	0.200	pass	
Parathion-Methyl [¥]	< LOQ	0.20	0.100	pass		Permethrin [¥]	< LOQ	0.20	0.100	pass	
Phosmet [¥]	< LOQ	0.20	0.100	pass		Piperonyl butoxide [¥]	< LOQ	2.0	1.00	pass	
Prallethrin [¥]	< LOQ	0.20	0.100	pass		Propiconazole [¥]	< LOQ	0.40	0.200	pass	
Propoxur [¥]	< LOQ	0.20	0.100	pass		Pyrethrin I (total) [¥]	< LOQ	1.0	0.500	pass	
Pyridaben [¥]	< LOQ	0.20	0.100	pass		Spinosad [¥]	< LOQ	0.20	0.100	pass	
Spiromesifen [¥]	< LOQ	0.20	0.100	pass		Spirotetramat [¥]	< LOQ	0.20	0.100	pass	
Spiroxamine [¥]	< LOQ	0.40	0.200	pass		Tebuconazole [¥]	< LOQ	0.40	0.200	pass	
Thiacloprid [¥]	< LOQ	0.20	0.100	pass		Thiamethoxam [¥]	< LOQ	0.20	0.100	pass	
Trifloxystrobin [¥]	< LOQ	0.20	0.100	pass							



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Terpenes				Method: J AOAC 2015 V98-6	Units %	Batch 2306784	Analyze 04/26/23 05:26 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%	
a-Bisabolol	< LOQ	0.018	0.00%		(-)-a-Terpineol	< 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%		(+)-Pulegone	< LOQ	0.018	0.00%	
(±)-Camphor	< LOQ	0.018	0.00%		(±)-cis-Nerolidol	< LOQ	0.018	0.00%	
(±)-fenchone	< LOQ	0.018	0.00%		(±)-trans-Nerolidol	< LOQ	0.018	0.00%	
(R)-(+)-Limonene	< 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%	
Geranyl acetate	< LOQ	0.018	0.00%		Humulene	< LOQ	0.018	0.00%	
Isoborneol	< LOQ	0.018	0.00%		Linalool	< LOQ	0.018	0.00%	
Menthol	< LOQ	0.018	0.00%		nerol	< LOQ	0.018	0.00%	
p-Cymene	< LOQ	0.018	0.00%		Sabinene	< LOQ	0.018	0.00%	
Sabinene hydrate	< LOQ	0.018	0.00%		β-Caryophyllene	< LOQ	0.018	0.00%	
β-Myrcene	< LOQ	0.018	0.00%		Terpinolene	< LOQ	0.018	0.00%	
trans-β-Ocimene	< LOQ	0.012	0.00%		valencene	< LOQ	0.018	0.00%	
Total Terpenes	< LOQ								

Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic [‡]	< LOQ	0.200	mg/kg	0.0911	2306795	04/27/23 AOAC 2013.06 (mod.) [‡]	pass	
Cadmium [‡]	< LOQ	0.200	mg/kg	0.0911	2306795	04/27/23 AOAC 2013.06 (mod.) [‡]	pass	
Lead [‡]	< LOQ	0.500	mg/kg	0.0913	2306940	05/02/23 AOAC 2013.06 (mod.) [‡]	pass	
Mercury [‡]	< LOQ	0.100	mg/kg	0.0455	2306795	04/27/23 AOAC 2013.06 (mod.) [‡]	pass	



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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.

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

[¥] = TNI accredited analyte.

Units of Measure

g = g

µg/g = Microgram per gram

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

mg/30g = Milligram per 30g

mg/1g = Milligram per 1g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager