



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



Report Number: 24-003553/D001.R000
Report Date: 04/08/2024
ORELAP#: OR100028
Purchase Order:
Received: 04/01/24 15:37

Customer: KP40321 KANNA PHARMA
Product identity: Kanna 1500mg CBD
Client/Metric ID:
Laboratory ID: 24-003553-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	CBD-Total per Serving Size	50.0 mg/1ml
CBD	5.29		%			
CBG	0.105		%			
CBN	0.0236		%		THC-Total per Serving Size	2.05 mg/1ml
Δ9-THC	0.217		%			
Analyte per 1ml	Result	Limits	Units	Status	CBD-Total per Serving Size	1500 mg/30ml
CBD per 1ml	50.0		mg/1ml			
CBG per 1ml	0.992		mg/1ml		THC-Total per Serving Size	61.5 mg/30ml
CBN per 1ml	0.223		mg/1ml			
Δ9-THC per 1ml	2.05		mg/1ml		(Reported in milligrams per serving)	
delta-9-THCP per 1ml	0.000		mg/1ml			
Analyte per 30ml	Result	Limits	Units	Status		
CBD per 30ml	1500		mg/30ml			
CBG per 30ml	29.8		mg/30ml			
CBN per 30ml	6.69		mg/30ml			
Δ9-THC per 30ml	61.5		mg/30ml			
delta-9-THCP per 30ml	0.000		mg/30ml			
HHC (9R-Hexahydrocannabinol)	0.000		mg/30ml			
HHC (9S-Hexahydrocannabinol)	0.000		mg/30ml			
THC-O-Acetate, delta-8 per 30ml	0.000		mg/30ml			
THC-O-Acetate, delta-9 per 30ml	0.000		mg/30ml			



Customer: Kanna Pharma
 EUA Florida
 2106 NW - 4th Place
 Gainesville, 32603
Product identity: KP40321 Kanna 1500mg CBD
Client/Metric ID:
Sample Date:
Laboratory ID: 24-003553-0001
Evidence of Cooling: No
Temp: 25 °C
Serving Size #1: 0.945 g
Serving Size #2: 28.347 g
Density: 0.9449 g/ml



Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod)		Units %	Batch: 2402532	Analyze: 4/3/24 3:06:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBD [±]	5.29		%	0.0316	
CBD-A [±]	< LOQ		%	0.00316	
CBD-Total	5.29		%	0.0344	
CBG	0.105		%	0.00316	
CBG-A	< LOQ		%	0.00316	
CBG-Total	0.105		%	0.00590	
CBN	0.0236		%	0.00316	
Δ10-THC-9R	< LOQ		%	0.00316	
Δ10-THC-9S	< LOQ		%	0.00316	
Δ10-THC-Total	< LOQ		%	0.00632	
Δ8-THC [±]	< LOQ		%	0.00316	
Δ9-THC [±]	0.217		%	0.00316	
THC-A [±]	< LOQ		%	0.00316	
THC-Total	0.217		%	0.00593	
Total Cannabinoids	5.64		%		

Potency per 1ml	Method: J AOAC 2015 V98-6 (mod)		Units mg/se	Batch: 2402532	Analyze: 4/3/24 3:06:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 1ml	50.0		mg/1ml	0.299	
CBD-A per 1ml [±]	< LOQ		mg/1ml	0.0299	
CBD-Total per 1ml [±]	50.0		mg/1ml	0.325	
CBG per 1ml	0.992		mg/1ml	0.0299	
CBG-A per 1ml	< LOQ		mg/1ml	0.0299	
CBG-Total per 1ml	0.992		mg/1ml	0.0558	
CBN per 1ml	0.223		mg/1ml	0.0299	
Δ10-THC-9R per 1ml	< LOQ		mg/1ml	0.0299	
Δ10-THC-9S per 1ml	< LOQ		mg/1ml	0.0299	
Δ10-THC-Total per 1ml	< LOQ		mg/1ml	0.0597	
Δ8-THC per 1ml [±]	< LOQ		mg/1ml	0.0299	



Potency per 1ml **Method:** J AOAC 2015 V98-6 (mod) **Units** mg/se **Batch:** 2402532 **Analyze:** 4/3/24 3:06:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
Δ9-THC per 1ml ^L	2.05		mg/1ml	0.0299	
delta-9-THCP per 1ml	0.000		mg/1ml	0.000	
THC-A per 1ml ^L	< LOQ		mg/1ml	0.0299	
THC-Total per 1ml	2.05		mg/1ml	0.0561	

Potency per 30ml **Method:** J AOAC 2015 V98-6 (mod) **Units** mg/se **Batch:** 2402532 **Analyze:** 4/3/24 3:06:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
CBD per 30ml	1500		mg/30ml	8.96	
CBD-A per 30ml	< LOQ		mg/30ml	0.896	
CBD-Total per 30ml	1500		mg/30ml	9.75	
CBG per 30ml	29.8		mg/30ml	0.896	
CBG-A per 30ml	< LOQ		mg/30ml	0.896	
CBG-Total per 30ml	29.8		mg/30ml	1.67	
CBN per 30ml	6.69		mg/30ml	0.896	
Δ10-THC-9R per 30ml	< LOQ		mg/30ml	0.896	
Δ10-THC-9S per 30ml	< LOQ		mg/30ml	0.896	
Δ10-THC-Total per 30ml	0.000		mg/30ml	1.79	
Δ8-THC per 30ml	< LOQ		mg/30ml	0.896	
Δ9-THC per 30ml	61.5		mg/30ml	0.896	
delta-9-THCP per 30ml	0.000		mg/30ml	0.000	
HHC (9R-Hexahydrocannabinol) per	0.000		mg/30ml	0.000	
HHC (9S-Hexahydrocannabinol) per	0.000		mg/30ml	0.000	
THC-A per 30ml	< LOQ		mg/30ml	0.896	
THC-O-Acetate, delta-8 per 30ml	0.000		mg/30ml	0.000	
THC-O-Acetate, delta-9 per 30ml	0.000		mg/30ml	0.000	
THC-Total per 30ml	61.5		mg/30ml	1.68	



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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.

Ⓟ = ISO/IEC 17025:2017 accredited method.

Ⓜ = TNI accredited analyte.

Units of Measure

g = g

g/ml = Gram per milliliter

mg/1ml = Milligram per 1ml

mg/30ml = Milligram per 30ml

% = Percentage of sample

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

Approved Signatory

Derrick Tanner
General Manager



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Hemp & Cannabis
Chain of Custody

ZeroPointExtraction-
1711655509

ORELAP ID: OR1000028 ANAB ISO 17025 ID: AT 1508

Company Details Company: <u>ZeroPointExtraction</u> Contact: <u>rick.ezrine</u> Street Address: <u>2615 SW Cessna, suite 101</u> City, State, Zip: <u>Prineville, OR 97754</u> Email: <u>rick@zeropointextraction.com</u> Contact Phone: <u>5419129109</u> Company Phone: <u>5419129109</u> Billing Information Billing Phone: <u>5419129109</u> Billing Email: <u>rick@zeropointextraction.com</u>		Project Details Turnaround Time: <u>5 Business Days Req. For Micro Testing Standard</u> Relinquishment Sampling, Courier & Shipping Options: <u>By Shipping Service (USPS, UPS, Fedex)</u> Compliance: <u>Compliance</u> Receipt Information		Testing H0014 - Potency Cannabis (Basic)
#	Sample Name	Material	Amount Provided	
1	KP40321Kanna 1500mg CBD	Cannabinoid Tincture	30 ml	% (by mass/ mass)

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
<i>rick.ezrine</i>	<i>03/28/2024</i>	<i>12:51</i>	<i>MEW</i>	<i>04/01/2024</i>	<i>15:36</i>	<i>25</i>	<i>No</i>


 Revision: 4 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

JAOAC2015 V986 Batch ID: 2402532

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDA	2	0.0315	0.0324	%	97.3	80.0 - 120	Acceptable		
CBV	2	0.0341	0.0346	%	98.5	80.0 - 120	Acceptable		
CBE	2	0.0335	0.0348	%	96.3	80.0 - 120	Acceptable		
CBDA	1	0.0308	0.0319	%	96.8	90.0 - 110	Acceptable		
CBGA	1	0.0305	0.0316	%	96.4	80.0 - 120	Acceptable		
CBG	1	0.0354	0.0366	%	96.6	80.0 - 120	Acceptable		
CB	1	0.0340	0.0355	%	95.7	90.0 - 110	Acceptable		
THCV	2	0.0347	0.0356	%	97.5	80.0 - 120	Acceptable		
deltaTHCV	2	0.0219	0.0226	%	96.9	80.0 - 120	Acceptable		
THCVA	2	0.0309	0.0317	%	97.3	80.0 - 120	Acceptable		
CBN	1	0.0326	0.0334	%	97.7	80.0 - 120	Acceptable		
exo-THC	2	0.0347	0.0355	%	97.7	80.0 - 120	Acceptable		
deltaTHC	1	0.0355	0.0355	%	100	90.0 - 110	Acceptable		
deltaTHC	1	0.0325	0.0339	%	95.7	90.0 - 110	Acceptable		
9SdeltaTHC	1	0.0326	0.0333	%	97.8	80.0 - 120	Acceptable		
CB	2	0.0344	0.0352	%	97.9	80.0 - 120	Acceptable		
9RdeltaTHC	1	0.0315	0.0326	%	96.7	80.0 - 120	Acceptable		
CB	2	0.0342	0.0353	%	96.8	80.0 - 120	Acceptable		
THCA	1	0.0308	0.0320	%	96.2	90.0 - 110	Acceptable		
CBGA	2	0.0322	0.0327	%	98.6	80.0 - 120	Acceptable		
CBLA	2	0.0334	0.0345	%	96.8	80.0 - 120	Acceptable		
deltaTHCP	2	0.0321	0.0330	%	97.1	80.0 - 120	Acceptable		
CB	2	0.0340	0.0349	%	97.5	80.0 - 120	Acceptable		

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDA	<LOQ	0.00331	%	< 0.00331	Acceptable	
CBV	<LOQ	0.00331	%	< 0.00331	Acceptable	
CBE	<LOQ	0.00331	%	< 0.00331	Acceptable	
CBDA	<LOQ	0.00331	%	< 0.00331	Acceptable	
CBGA	<LOQ	0.00331	%	< 0.00331	Acceptable	
CBG	<LOQ	0.00331	%	< 0.00331	Acceptable	
CB	<LOQ	0.00331	%	< 0.00331	Acceptable	
THCV	<LOQ	0.00331	%	< 0.00331	Acceptable	
deltaTHCV	<LOQ	0.00331	%	< 0.00331	Acceptable	
THCVA	<LOQ	0.00331	%	< 0.00331	Acceptable	
CBN	<LOQ	0.00331	%	< 0.00331	Acceptable	
exo-THC	<LOQ	0.00331	%	< 0.00331	Acceptable	
deltaTHC	<LOQ	0.00331	%	< 0.00331	Acceptable	
deltaTHC	<LOQ	0.00331	%	< 0.00331	Acceptable	
9SdeltaTHC	<LOQ	0.00331	%	< 0.00331	Acceptable	
CB	<LOQ	0.00331	%	< 0.00331	Acceptable	
9RdeltaTHC	<LOQ	0.00331	%	< 0.00331	Acceptable	
CB	<LOQ	0.00331	%	< 0.00331	Acceptable	
THCA	<LOQ	0.00331	%	< 0.00331	Acceptable	
CBGA	<LOQ	0.00331	%	< 0.00331	Acceptable	
CBLA	<LOQ	0.00331	%	< 0.00331	Acceptable	
deltaTHCP	<LOQ	0.00331	%	< 0.00331	Acceptable	
CB	<LOQ	0.00331	%	< 0.00331	Acceptable	

Abbreviations

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

Units of Measure:

%- Percent



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Laboratory Quality Control Results

JAOAC2015 V986								
Batch ID: 2402532								
Sample Duplicate								
Sample ID: 24-0034970001								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDA	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBDA	0.0313	0.0321	0.00314	%	2.59	< 20	Acceptable	
CBE	0.0211	0.0226	0.00314	%	7.21	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBDA	0.0339	0.0353	0.00314	%	4.24	< 20	Acceptable	
CBDA	2.27	2.40	0.00314	%	5.81	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
deltaTHCV	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
THCVa	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBN	0.00747	0.00796	0.00314	%	6.35	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
deltaTHC	0.0751	0.0790	0.00314	%	4.96	< 20	Acceptable	
deltaTHC	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
9SdeltaTHC	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBL	0.0100	0.0103	0.00314	%	2.48	< 20	Acceptable	
9RdeltaTHC	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
deltaTHCP	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBG	0.185	0.194	0.00314	%	4.61	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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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.