

PharmLabs San Diego Certificate of Analysis

3421 Hancock St, Second Floor, San Diego, CA 92110 | License: CB-0000098-LIC
 ISO/IEC 17025:2017 Certification L17-427-1 | Accreditation #11568



Sample: Pre Heat - Red Haze

Sample ID: SD221128-035 (SABM)	Matrix: Concentrate (Preheated Cannabis Juice)
Tested for: CBG Extract	
Sampled: -	Received: Nov 28, 2022
Analysis completed: CBG, PSL, HMB, HTD, PSL, HMC, PVI	Reported: Dec 02, 2022

Labeling note: The extracted concentration of the cannabinoid peak in this sample is 8.7%. Currently, PharmLabs laboratory can not confirm an unidentified peak in your chromatogram due to interference from very high concentrated CB products from which we believe to be either CBG or CBG-THC. As this may affect any cannabinoid analysis for your product, we have included a table below showing the separation of CBG-THC and CBG-THC. CBG-THC is a dimeric compound from the reaction of CBG and THC. Therefore, these two compounds may have different effects using the most advanced techniques and CB concentration is estimated to be 21.4%.

CANX - Cannabinoids Analysis

Analyzed Dec 02, 2022 | Instrument: HPLC
 Measurement uncertainty at 95% confidence: 8.8%

Analyte	LOD µg/g	LOQ µg/g	Result %	Result µg/g
11-hydroxy-Δ ⁸ -tetrahydrocannabinol (11-OH-Δ ⁸ -THC)	0.05	0.04	ND	ND
Cannabinol (CBN)	0.002	0.007	ND	ND
Δ ⁸ -cannabinol (Δ ⁸ -CBN)	0.15	0.20	ND	ND
11'-OH-11-hydroxy-Δ ⁸ -tetrahydrocannabinol (11'-OH-11-THC)	0.01	0.03	ND	ND
11-hydroxy-Δ ⁸ -tetrahydrocannabinol (11-OH-Δ ⁸ -THC)	0.007	0.021	ND	ND
Cannabinolic Acid (CBNA)	0.009	0.18	ND	ND
Cannabigerol Acid (CBGA)	0.009	0.18	ND	ND
Cannabigerol (CBG)	0.009	0.18	6.30	3.52
Cannabinol (CBN)	0.009	0.18	1.90	0.90
THC (Δ ⁹ -THC)	0.005	0.004	4.44	48.37
THC (Δ ⁹ -THC)	0.005	0.015	25.79	107.66
Tetrahydrocannabinol (THC)	0.009	0.18	ND	ND
Δ ⁸ -Tetrahydrocannabinol (Δ ⁸ -THC)	0.025	0.094	ND	ND
Tetrahydrocannabinol (Δ ⁹ -THC)	0.005	0.020	ND	ND
Cannabinol (CBN)	0.005	0.18	ND	ND
Cannabidiol (CBD)	0.01	0.047	ND	ND
vanillyl (Van-THC)	0.016	0.4	ND	ND
Tetrahydrocannabinol (Δ ⁹ -THC)	0.025	0.18	1.1	0.1
Δ ⁸ -Tetrahydrocannabinol (Δ ⁸ -THC)	0.004	0.15	17.43	174.34
(Δ ⁸ -THC)-Δ ⁸ -Tetrahydrocannabinol ((Δ ⁸ -THC)-Δ ⁸ -THC)	0.05	0.18	ND	ND
Heptylthio-cannabinol (5-Heptyl-THC)	0.017	0.18	ND	ND
(Δ ⁸ -THC)-Δ ⁸ -Tetrahydrocannabinol ((Δ ⁸ -THC)-Δ ⁸ -THC)	0.007	0.18	ND	ND
Heptylthio-cannabinol (5-Heptyl-THC)	0.016	0.18	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.009	0.18	ND	ND
Δ ⁸ -Tetrahydrocannabinol (Δ ⁸ -THC)	0.014	0.071	ND	ND
Cannabinol Acetate (CBNAc)	0.016	0.043	ND	ND
Δ ⁸ -Tetrahydrocannabinol (Δ ⁸ -THC)	0.017	0.18	1.47	14.70
Δ ⁸ -Tetrahydrocannabinol (Δ ⁸ -THC)	0.041	0.18	ND	ND
Δ ⁸ -THC (1)-cannol (Δ ⁸ -THC)	0.016	0.18	ND	ND
THC-THCP (Δ ⁹ -THCP)	0.001	0.004	ND	ND
Δ ⁸ -THC (1)-cannol (Δ ⁸ -THC)	0.006	0.18	ND	ND
THC-THCP (Δ ⁹ -THCP)	0.005	0.019	ND	ND
1-cannol (Δ ⁸ -Tetrahydrocannabinol (Δ ⁸ -THC)-CB)	0.007	0.024	0.07	0.09
Total THC (THC + Δ ⁸ THC + Δ ⁹ THC)			ND	ND
Total THC + Δ ⁸ THC + Δ ⁹ THC (THC + Δ ⁸ THC + Δ ⁹ THC + Δ ⁸ THC)			17.43	174.34
Total CBG (CBG + Δ ⁸ THC)			1.90	0.90
Total CBN (CBN + Δ ⁸ THC)			0.01	0.01
Total HMC (HMC + Δ ⁸ THC)			ND	ND
Total Cannabinoids			19.43	194.34

HME - Heavy Metals Detection Analysis

Analyzed Nov 28, 2022 | Instrument: ICP-MS/MS | Method: SOP-005

Analyte	LOD µg/g	LOQ µg/g	Result µg/g	Limit µg/g	Analyte	LOD µg/g	LOQ µg/g	Result µg/g	Limit µg/g
Arsenic (As)	0.0002	0.0005	ND	0.2	Calcium (Ca)	1.0e-05	0.0001	ND	0.2
Mercury (Hg)	1.0e-05	0.0001	0.02	0.1	Lead (Pb)	1.0e-05	0.0001	0.01	0.5

MIBIG - Microbial Testing Analysis

Analyzed Dec 01, 2022 | Instrument: qPCR and/or Plating | Method: SOP-007

Analyte	Result CFU/g	Limit	Analyte	Result CFU/g	Limit
Single yeast-producing Escherichia coli	ND	ND per 1 gram	Saccharomyces spp.	ND	ND per 1 gram
Aspergillus fumigatus	ND	ND per 1 gram	Aspergillus nidulans	ND	ND per 1 gram
Aspergillus niger	ND	ND per 1 gram	Aspergillus terreus	ND	ND per 1 gram

Q1 Not Detected
 Q2 Not Detected
 Q3 Not Detected
 Q4 Not Detected
 Q5 Not Detected
 Q6 Not Detected
 Q7 Not Detected
 Q8 Not Detected
 Q9 Not Detected
 Q10 Not Detected
 Q11 Not Detected
 Q12 Not Detected
 Q13 Not Detected
 Q14 Not Detected
 Q15 Not Detected
 Q16 Not Detected
 Q17 Not Detected
 Q18 Not Detected
 Q19 Not Detected
 Q20 Not Detected



Scan the QR code to verify authenticity.

Authorized Signature

Brandon Stahl

Brandon Stahl, Lab Manager
 Nov 27, 2022 09:50:40 -0800

PharmLabs San Diego | 3421 Hancock St, Second Floor, San Diego, CA 92110 | 619 336 2886 | ISO/IEC 17025:2017 Certification L17-427-1



PharmLabs San Diego is a laboratory that provides testing services for cannabis products. The laboratory is located at 3421 Hancock St, Second Floor, San Diego, CA 92110. The laboratory is accredited by ISO/IEC 17025:2017. The laboratory provides testing services for cannabis products, including cannabinoid analysis, heavy metal detection, and microbial testing. The laboratory is committed to providing accurate and reliable testing services to its customers.

MTO - Mycotoxin Testing Analysis

Analysed Nov 29, 2022 | Instrument LC/MSMS | Method SOP-004

Analyte	LOD ng/kg	LOQ ng/kg	Result ng/kg (ppm)	Limit ng/kg	Analyte	LOD ng/kg	LOQ ng/kg	Result ng/kg (ppm)	Limit ng/kg
Ochratoxin A	5.0	20.0	ND	20	Ochratoxin A	5.0	20.0	ND	-
Aflatoxin B1	2.5	5.0	ND	-	Aflatoxin B1	2.5	5.0	ND	-
Aflatoxin G2	2.5	5.0	ND	-	Total Aflatoxins	10.0	20.0	ND	20

Q1 Not Detected
 M1 Not Detected
 M2 Not Detected
 M3 Not Detected
 M4 Not Detected
 M5 Not Detected
 M6 Not Detected
 M7 Not Detected
 M8 Not Detected
 M9 Not Detected
 M10 Not Detected
 M11 Not Detected
 M12 Not Detected
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Authorized Signature

Brandon Stahl

Brandon Stahl | Lab Manager
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