

Certificate of Analysis



Dutch Treat Pre-Roll

Client: OK Cannabis
 Address: 2314 E Union S
 Seattle, WA 98122
 License: P12936

Lab ID: P200309-3 001
 Date Received: 3/9/2020
 Analysis Completed: 3/16/2020

Original Global ID: WAJ412082.INGF63L
 Lab Global ID: n/a
 Sample Type: Preroll (Flower)

Cannabinoid Concentration Analysis

	Result (%)		Result (%)
CBC	<0.01	Total THC ¹	10.45
CBCA	1.06	Total CBD ²	0.12
CBD	<0.01	Total Cannabinoids ³	14.24
CBDA	0.14		
CBDV	<0.01		
CBDVA	<0.01		
CBG	0.07		
CBGA	0.55		
CBL	<0.01		
CBN	<0.01		
CBNA	<0.01		
CBT	<0.01		
THCA	10.89		
THCV	<0.01		
THCVA	0.62		
Δ-8 THC	<0.01		
Δ-9 THC	0.90		

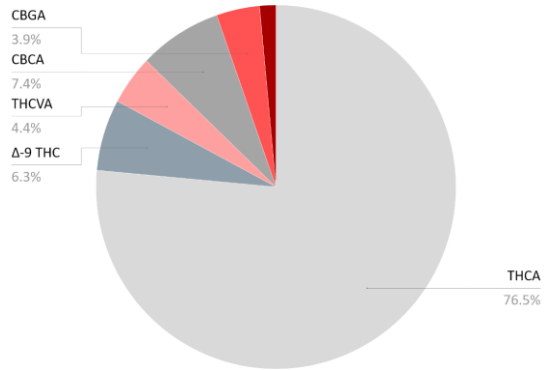
Method: HPLC

Notes: ¹ Total THC = THCA x 0.877 + Δ9 THC.

² Total CBD = CBDA x 0.877 + CBD.

³ Sum of all cannabinoids without a conversion factor applied to THCA or CBDA.

Relative Cannabinoid Concentration



Foreign Matter Screening

	Result (%)	WSLCLB Limit	Pass/Fail
Stems	n/a	< 5	n/a
Seeds	n/a	< 2	n/a
Other	n/a	< 2	n/a

Method: Visual / Microscopy

Water Activity Analysis

	Result (aW)	WSLCLB Limit	Pass/Fail
Water Activity	0.47	< 0.65	Pass

Method: Hygrometer

Moisture Content Analysis

	Result (%)	WSLCLB Limit	Pass/Fail
Moisture Content	11.19	< 15	Pass

Method: Gravimetric

Terpene Concentration Analysis

	Result (%)		Result (%)
Alpha-Bisabolol	0.19	D-Limonene	nd
Alpha-Humulene	0.07	Fenchone	n/a
Alpha-Pinene	nd	Gamma-Terpinene	nd
Alpha-Terpinene	nd	Geraniol	nd
Alpha-Terpineol	n/a	Guaiaol	0.06
Beta-Caryophyllene	0.15	Isopulegol	nd
Beta-Myrcene	0.06	Linalool	0.08
Beta-Pinene	0.00	Nerolidol	0.14
Borneol	n/a	Ocimene	nd
Camphene	nd	P-Cymene	nd
Citral	n/a	Pulegone	n/a
Citronellol	n/a	Terpinolene	0.08
Delta-3-Carene	nd	2-Piperidinone	n/a
Dihydrocarveol	n/a	Total Terpenes:	0.84

Method: GC-FID

Microbiological Screening

	Result (CFU/g)	WSLCLB Limit	Pass/Fail
Enterobacteriaceae	<20	< 10,000	Pass
E. coli	nd	*	Pass
Salmonella	nd	*	Pass
Yeast & Mold	22300	n/a	n/a

Method: FDA BAM

Notes: * Not detected in 1 gram.

Mycotoxin Screening

	Result (ppb)	WSLCLB Limit	Pass/Fail
Aflatoxin	<20	< 20	Pass
Ochratoxin	<20	< 20	Pass

Method: ELISA

Residual Solvent Screening

	Result (ppm)	WSLCLB Limit	Pass/Fail
Acetone	n/a	5,000	n/a
Benzene	n/a	2	n/a
Butanes	n/a	5,000	n/a
Chloroform	n/a	2	n/a
Cyclohexane	n/a	3,880	n/a
Dichloromethane	n/a	600	n/a
Ethanol	n/a	n/a	n/a
Ethyl Acetate	n/a	5,000	n/a
Heptanes	n/a	5,000	n/a
Hexanes	n/a	290	n/a
Isopropanol	n/a	5,000	n/a
Methanol	n/a	3,000	n/a
Pentanes	n/a	5,000	n/a
Propane	n/a	5,000	n/a
Toluene	n/a	890	n/a
Total Xylene	n/a	2,170	n/a

Method: GC-FID HS-FET

This report was reviewed by:

Faith Rasmussen, Laboratory Analyst on March 16th, 2020

This report was approved by:

Dustin Newman, Chief Scientific Officer on March 24th, 2020



Not all testing listed above is included in our A2LA Scope of Accreditation. Please consult A2LA Certificate #4803.01 for a list of accredited tests.

The abbreviations nd, n/a, e.v., and trnc stand for not detected, not applicable, estimated value, and too numerous to count respectively.

Testing results are certified by scientific examination of a single sample, as identified by the Sample ID, provided by the Producer/Processor. The sample, as received, was homogenized before subsamples were drawn for specific analysis. Praxis Laboratory and its staff did not observe or participate in the sample selection process, and cannot confirm the authenticity of the sample or its representativeness of the associated lot/batch. The results pertain only to the sample tested and no other sample.

Certificate of Analysis



Dutch Treat

Client: OK Cannabis
 Address: 2314 E Union S
 Seattle, WA 98122
 License: P12936

Lab ID: P200309-3 001
 Date Received: 3/9/2020
 Analysis Completed: 3/12/2020

Original Global ID: WAJ412082.INGF63L
 Lab Global ID: NMQA 1
 Sample Type: Preroll (Flower)

Chemical Residue Screening

Compound Name	CAS Number	Result (ppm)	WA Action Level	Pass/Fail	Compound Name	CAS Number	Result (ppm)	WA Action Level	Pass/Fail
Abamectin	71751-41-2	nd	0.50	Pass	Imazalil	35554-44-0	nd	0.20	Pass
Acephate	30560-19-1	nd	0.40	Pass	Imidacloprid	138261-41-3	nd	0.40	Pass
Acequinocyl	57960-19-7	nd	2.00	Pass	Kresoxim-methyl	143390-89-0	nd	0.40	Pass
Acetamiprid	135410-20-7	nd	0.20	Pass	Malathion	121-75-5	nd	0.20	Pass
Aldicarb	116-06-3	nd	0.40	Pass	Metalaxyl	57837-19-1	nd	0.20	Pass
Azoxystrobin	131860-33-8	nd	0.20	Pass	Methiocarb	2032-65-7	nd	0.20	Pass
Bifenazate	149877-41-8	nd	0.20	Pass	Methomyl	16752-77-5	nd	0.40	Pass
Bifenthrin	82657-04-3	nd	0.20	Pass	Methyl parathion	298-00-0	nd	0.20	Pass
Boscalid	188425-85-6	nd	0.40	Pass	MGK-264	113-48-4	nd	0.20	Pass
Carbaryl	63-25-2	nd	0.20	Pass	Myclobutanil	88671-89-0	nd	0.20	Pass
Carbofuran	1563-66-2	nd	0.20	Pass	Naled	300-76-5	nd	0.50	Pass
Chlorantraniliprole	500008-45-7	nd	0.20	Pass	Oxamyl	23135-22-0	nd	1.00	Pass
Chlorfenapyr	122453-73-0	nd	1.00	Pass	Paclobutrazol	76738-62-0	nd	0.40	Pass
Chlorpyrifos	2921-88-2	nd	0.20	Pass	Permethrins ²	52645-53-1	nd	0.20	Pass
Clofentezine	74115-24-5	nd	0.20	Pass	Phosmet	732-11-6	nd	0.20	Pass
Cyfluthrin	68359-37-5	nd	1.00	Pass	Piperonyl butoxide ¹	51-03-6	nd	2.00	Pass
Cypermethrin	52315-07-8	nd	1.00	Pass	Prallethrin	23031-36-9	nd	0.20	Pass
Daminozide	1596-84-5	nd	1.00	Pass	Propiconazole	60207-90-1	nd	0.40	Pass
DDVP (Dichlorvos)	333-41-5	nd	0.10	Pass	Propoxur	114-26-1	nd	0.20	Pass
Diazinon	62-73-7	nd	0.20	Pass	Pyrethrins ^{1,3}	8003-34-7	nd	1.00	Pass
Dimethoate	60-51-5	nd	0.20	Pass	Pyridaben	96489-71-3	nd	0.20	Pass
Ethoprophos	13194-48-4	nd	0.20	Pass	Spinosad	168316-95-8	nd	0.20	Pass
Etofenprox	80844-07-1	nd	0.40	Pass	Spiromesifen	283594-90-1	nd	0.20	Pass
Etoxazole	153233-91-1	nd	0.20	Pass	Spirotetramat	203313-25-1	nd	0.20	Pass
Fenoxycarb	72490-01-8	nd	0.20	Pass	Spiroxamine	118134-30-8	nd	0.40	Pass
Fenpyroximate	134098-61-6	nd	0.40	Pass	Tebuconazole	80443-41-0	nd	0.40	Pass
Fipronil	120068-37-3	nd	0.40	Pass	Thiacloprid	111988-49-9	nd	0.20	Pass
Fonicamid	158062-67-0	nd	1.00	Pass	Thiamethoxam	153719-23-4	nd	0.20	Pass
Fludioxonil	131341-86-1	nd	0.40	Pass	Trifloxystrobin	141517-21-7	nd	0.20	Pass
Hexythiazox	78587-05-0	nd	1.00	Pass					

Method: LC-MS/MS

Notes: ¹ Washington State action levels apply to cannabis concentrates, cannabis extracts, intermediate products, and imported cannabinoids.

² Permethrins are measured as cumulative residue of cis- and trans-permethrin isomers (CAS numbers 54774-45-7 and 51877-74-8 respectively).

³ Pyrethrins are measured as the cumulative residues of pyrethrin 1, cinerin 1, and jasmolin 1 (CAS numbers 121-21-1, 25402-06-6, and 4466-1-2 respectively).

"LLOD" = Lower Limit of Detection, the lowest amount that the method can detect.

"LLOQ" = Lower Limit of Quantification, the lowest amount that the method can quantify.

"A" = Estimated amount, greater than the LLOD, but less than the LLOQ.

"*" = Estimated amount, greater than the Upper Limit of Quantification (ULOQ).

"nd" = Not detected or beneath the LLOD, the lowest amount that can be detected.



This report was reviewed by:

Robert Smalling, Laboratory Analyst on March 12th, 2020

This report was approved by:

Dustin Newman, Chief Scientific Officer on March 24th, 2020

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