

SAMPLE NAME: D8 WHITE RUNTZ

Flower, Inhalable



Date Collected: 09/13/2020
Date Received: 09/13/2020
Batch Size:
Sample Size:
Unit Mass:
Serving Size:

CANNABINOID ANALYSIS - SUMMARY

Total THC: 0.18%
Total CBD: 16.47%
Sum of Cannabinoids: 365.7 mg/g
Total Cannabinoids: 36.57 %

Total THC, CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:
 Total THC = $\Delta^9\text{THC} + (\text{THCa} \cdot 0.877)$
 Total CBD = $\text{CBD} + (\text{CBDA} \cdot 0.877)$
 Sum of Cannabinoids = $\Delta^9\text{THC} + \text{THCa} + \text{CBD} + \text{CBDA} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{THC} + \text{CBL} + \text{CBN}$
 Total Cannabinoids = $(\Delta^9\text{THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDA}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{THC} + \text{CBL} + \text{CBN}$

Moisture:
Density:
Viscosity:

SAFETY ANALYSIS - SUMMARY


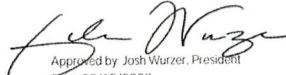
Pesticides:	Heavy Metals: NT	Foreign Material: NT
Mycotoxins: NT	Microbial Impurities (PCR):  PASS	Water Activity: NT
Residual Solvents: NT	Microbial Impurities (Planting): NT	Vitamin E Acetate: NT

For quality assurance purposes. Not a Pre-Harvest Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 16 Effect Date: January 16, 2019 Authority: Section 26013, Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS – Results within limits/specifications, FAIL – Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)

 
 LQC verified by: Randy Vuong
 Date: 09/15/2020
 Approved by: Josh Wurzer, President
 Date: 09/15/2020



Hemp Quality Assurance Testing
CERTIFICATE OF ANALYSIS

D8 WHITE RUNTZ | DATE ISSUED 09/15/2020

Cannabinoid Analysis

Tested by high-performance liquid chromatography
 with diode-array detection (HPLC-DAD).

Method: QSP - (1157) Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: 0.182%

Total THC ($\Delta 9\text{THC} + 0.877 \cdot \text{THCa}$)

TOTAL CBD: 16.472%

Total CBD ($\text{CBD} + 0.877 \cdot \text{CBDa}$)

TOTAL CANNABINOIDS: 36.57 %

Total Cannabinoids (Total THC) + (Total CBD) +
 (Total CBG) + (Total THCV) + (Total CBC) +
 (Total CBDV) + $\Delta 8\text{THC}$ + CBL + CBN

TOTAL CBG: 0.593%

Total CBG ($\text{CBG} + 0.877 \cdot \text{CBGa}$)

TOTAL THCV: ND

Total THCV ($\text{THCV} + 0.877 \cdot \text{THCVa}$)

TOTAL CBC: 0.214%

Total CBC ($\text{CBC} + 0.877 \cdot \text{CBCa}$)

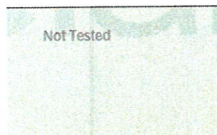
TOTAL CBDV: ND

Total CBDV ($\text{CBDV} + 0.877 \cdot \text{CBDVa}$)

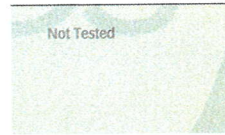
CANNABINOID TEST RESULTS 09/15/2020

COMPOUND	LOD / LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBDa	0.06 / 0.17	± 2.877	150.60	15.06
CBGa	0.1 / 0.4	± 3.11	3.80	0.38
CBD	0.1 / 0.3	± 0.68	32.64	3.26
CBCa	0.1 / 0.4	± 0.32	1.21	0.12
CBG	0.2 / 0.5	± 0.19	2.60	0.26
THCa	0.04 / 0.12	± 0.086	0.82	0.08
$\Delta 9\text{THC}$	0.1 / 0.4	± 0.06	1.10	0.11
CBC	0.1 / 0.2	± 0.07	1.08	0.11
CBDVa	0.02 / 0.06	± 0.003	7.00	0.70
$\Delta 8\text{THC}$	0.05 / 0.15	N/A	164.85	16.49
THCV	0.07 / 0.21	N/A	ND	ND
THCVa	0.05 / 0.15	N/A	ND	ND
CBDV	0.1 / 0.3	N/A	ND	ND
CBL	0.1 / 0.4	N/A	ND	ND
CBN	0.07 / 0.20	N/A	ND	ND
SUM OF CANNABINOIDS			365.7 mg/g	36.57 %

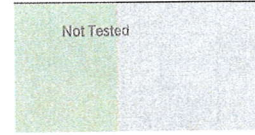
MOISTURE TEST RESULT



DENSITY TEST RESULT



VISCOSITY TEST RESULT





Pesticide Analysis

CATEGORY 1 AND 2 PESTICIDES

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS).
*GC-MS utilized where indicated.

Method: OSP - (1212) Analysis of Pesticides and Mycotoxins by LC-MS or OSP - (1213) Analysis of Pesticides by GC-MS

CATEGORY 1 PESTICIDE TEST RESULTS 09/15/2020 ✔ PASS

COMPOUND	LOD/LOQ (ug/g)	ACTION LIMIT (ug/g)	MEASUREMENT UNCERTAINTY (ug/g)	RESULT (ug/g)	RESULT
Aldicarb				NT	
Carbofuran				NT	
Chlordane*				NT	
Chlorfenapyr*				NT	
Chlorpyrifos	0.02 / 0.06	≥ LOD	N/A	ND	PASS
Coumaphos				NT	
Daminozide				NT	
DDVP (Dichlorvos)				NT	
Dimethoate				NT	
Ethoprop(hos)				NT	
Etofenprox				NT	
Fenoxycarb				NT	
Fipronil				NT	
Imazalil				NT	
Methiocarb				NT	
Methyl Parathion				NT	
Mevinphos				NT	
Paclobutrazol				NT	
Propoxur				NT	
Spiroxamine				NT	
Thiacloprid				NT	

CATEGORY 2 PESTICIDE TEST RESULTS 09/15/2020 ✔ PASS

Abamectin	0.03 / 0.10	0.1	N/A	ND	PASS
Acephate				NT	
Acequinocyl				NT	
Acetamiprid				NT	
Azoxystrobin	0.01 / 0.04	0.1	N/A	ND	PASS
Bifenazate	0.01 / 0.02	0.1	N/A	ND	PASS
Bifenthrin	0.01 / 0.02	3	N/A	ND	PASS
Boscalid	0.02 / 0.06	0.1	N/A	ND	PASS
Captan				NT	
Carbaryl				NT	
Chlorantraniliprole				NT	

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Pesticide Analysis *Continued*

CATEGORY 1 AND 2 PESTICIDES
 Pesticide and plant growth regulator analysis
 utilizing high-performance liquid chromatography-
 mass spectrometry (HPLC-MS) or gas
 chromatography-mass spectrometry (GC-MS).
 *GC-MS utilized where indicated.

Method: OSP - (1212) Analysis of Pesticides and Mycotoxins
 by LC-MS or OSP - (1213) Analysis of Pesticides by
 GC-MS

CATEGORY 2 PESTICIDE TEST RESULTS 09/15/2020 ✔ PASS

COMPOUND	LOD/LOQ (ug/g)	ACTION LIMIT (ug/g)	MEASUREMENT UNCERTAINTY (ug/g)	RESULT (ug/g)	RESULT
Clofentezine				NT	
Ciflutrin				NT	
Cypermethrin	0.1 / 0.3	1	N/A	ND	PASS
Dizainon				NT	
Dimethomorph				ND	PASS
Ettoxazole	0.010 / 0.028	0.1	N/A	ND	PASS
Fenhexamid				NT	
Fenpyroximate				NT	
Flonicamid				NT	
Fludioxonil				NT	
Hexythiazox	0.01 / 0.04	0.1	N/A	ND	PASS
Imidacloprid	0.01 / 0.04	5	N/A	ND	PASS
Kresoxim-methyl				NT	
Malathion	0.02 / 0.05	0.5	N/A	ND	PASS
Metlaxyl				NT	
Methomyl				NT	
Myclobutanil	0.03 / 0.1	0.1	N/A	ND	PASS
Naled					
Oxamyl				NT	
Pentachloronitrobenzene*				NT	
Permethrin	0.03 / 0.09	0.5	N/A	ND	PASS
Phosmet				NT	
Piperonylbutoxide	0.003 / 0.009	3	N/A	ND	PASS
Prallethrin				NT	
Propiconazole	0.01 / 0.03	0.1	N/A	ND	PASS
Pyrethrins				NT	
Pyridaben				NT	
Spinetoram				NT	
Spinosad				NT	
Spiromesifen	0.02 / 0.05	0.1	N/A	ND	PASS
Spirotetramat				NT	
Tebuconazole	0.02 / 0.07	0.1	N/A	ND	PASS
Thiamethoxam				NT	
Trifloxystrobin	0.01 / 0.03	0.1	N/A	ND	PASS



Hemp Quality Assurance Testing
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 **Microbial Impurities Analysis**
PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbial impurities.

Method: OSP - (1221) Analysis of Microbial Impurities

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbial impurities.

Method: OSP - (6794) Plating with 3M™ Petrifilm™

MICROBIAL IMPURITIES TEST RESULTS (PCR) 09/15/2020  **PASS**

COMPOUND	ACTION LIMIT	RESULT	RESULT
<i>Shiga toxin-producing Escherichia coli</i>	Detect	ND	PASS
<i>Salmonella spp.</i>	Detect	ND	PASS
<i>Aspergillus fumigatus</i>	Detect	ND	PASS
<i>Aspergillus flavus</i>	Detect	ND	PASS
<i>Aspergillus niger</i>	Detect	ND	PASS
<i>Aspergillus terreus</i>	Detect	ND	PASS

MICROBIAL IMPURITIES TEST RESULTS (PLATING)

COMPOUND	RESULT
Aerobic Plate Count	NT
Total Yeast and Mold	NT