

## CERTIFICATE OF ANALYSIS

PRODUCED: JAN 05, 2023

SAMPLE: ALIEN COOKIES SUPERDOOBER (INFUSED FLOWER) // CLIENT: ACHIEVE // BATCH: PASS



**BATCH NO.:** ACS791-S870  
**MATRIX:** FLOWER  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** TLT-221229-020  
**COLLECTED ON:** DEC 29, 2022  
**RECEIVED ON:** DEC 29, 2022  
**BATCH/SAMPLE SIZE:** 5000 G / 12 G  
**RECEIVED BY:** RAUL MANUEL MORALES JR

### CANNABINOID OVERVIEW

<b>TOTAL THC:</b>	<b>23.025 %</b>
<b>TOTAL CBD:</b>	<b>0 %</b>
<b>TOTAL CANNABINOIDS:</b>	<b>26.589 %</b>

### BATCH RESULT: PASS

<b>POTENCY</b>	TESTED	<b>PESTICIDES</b>	PASS
<b>METALS</b>	PASS	<b>SOLVENTS</b>	TESTED
<b>MICROBIAL</b>	PASS	<b>TERPENES</b>	TESTED
<b>MYCOTOXINS</b>	TESTED		

### SOP 50: CANNABINOID PROFILE BY HPLC-MS // JAN 03, 2023

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBD		ND	ND	0.277/0.830		Δ <sup>9</sup> -THC	11.435 %	114.35 mg/g		2.944/8.832	
CBDA		ND	ND	0.277/0.830		THCA	13.215 %	132.15 mg/g		2.944/8.832	
CBG	0.277 %	2.77 mg/g		0.277/0.830		<b>TOTAL THC**</b>	<b>23.025 %</b>	<b>230.25 mg/g</b>			
CBN	0.289 %	2.89 mg/g		0.277/0.830		<b>TOTAL CBD**</b>		ND		ND	
Δ <sup>8</sup> -THC		ND	ND								

\*\* TOTAL CBD = (CBDA X 0.877) + CBD

\*\* TOTAL THC = (THCA X 0.877) + THC

### SOP 50: EXPANDED CANNABINOID PROFILE BY HPLC-MS // JAN 03, 2023

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ	PASS/FAIL	ANALYTE	LIMIT	AMT	AMT	LOD/LOQ	PASS/FAIL
CBC		0.315 %	3.15 mg/g			CBGA		0.377 %	3.77 mg/g		
CBCA		0.681 %	6.81 mg/g								

\*\* TOTAL CBD = (CBDA X 0.877) + CBD

\*\* TOTAL THC = (THCA X 0.877) + THC

### : TERPENES BY GC-MS // JAN 03, 2023

ANALYTE	AMT	AMT	LOD/LOQ	PASS/FAIL	ANALYTE	AMT	AMT	LOD/LOQ	PASS/FAIL
<b>TOTAL TERPENES</b>	0.265 %	2.65 mg/g			CITRONELLOL	ND	ND		
β-CARYOPHYLLENE	0.104 %	1.04 mg/g			D-LIMONENE	ND	ND		
LINALOOL	0.060 %	0.60 mg/g			EUCALYPTOL	ND	ND		
(1R)-ENDO-(+)-FENCHYL ALCOHOL	0.028 %	0.28 mg/g			FARNESOL	ND	ND		
α-HUMULENE	0.028 %	0.28 mg/g			γ-TERPINENE	ND	ND		
SABINENE HYDRATE	0.025 %	0.25 mg/g			GERANIOL	ND	ND		
α-TERPINEOL	0.020 %	0.20 mg/g			GERANYL ACETATE	ND	ND		
(+)-BORNEOL		ND	ND		ISOBORNEOL	ND	ND		
(-)-α-BISABOLOL		ND	ND		M-CYMENE	ND	ND		
(-)-β-PINENE		ND	ND		MENTHOL	ND	ND		
(-)-BORNEOL		ND	ND		NEROL	ND	ND		
(-)-CARYOPHYLLENE OXIDE		ND	ND		NEROLIDOL	ND	ND		
(-)-GUAIOL		ND	ND		O-CYMENE	ND	ND		
(-)-ISOPULEGOL		ND	ND		OCIMENE	ND	ND		

# REGULATORY COMPLIANCE TESTING

(1S)-(+)-3-CARENE	ND	ND
α-CEDRENE	ND	ND
α-PHELLANDRENE	ND	ND
α-PINENE	ND	ND
α-TERPINENE	ND	ND
β-MYRCENE	ND	ND
CAMPHENE	ND	ND
CAMPHOR	ND	ND
CARVACROL	ND	ND
CEDROL	ND	ND

P-ISOPROPYLTOLUENE (P-CYMENE)	ND	ND
PHYTANE	ND	ND
SABINENE	ND	ND
SQUALENE	ND	ND
TERPINEN-4-OL	ND	ND
TERPINOLENE	ND	ND
THYMOL	ND	ND
TRANS-β-FARNESENE	ND	ND
VALENCENE	ND	ND



RESULTS CERTIFIED BY: WILLIAM ENGLISH  
 LAB DIRECTOR, TITAN LABORATORIES  
 JAN 05, 2023

*W.A. English*



## SOP 60: PESTICIDES BY LC-MS/MS // JAN 03, 2023

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ	PASS/FAIL
ABAMECTIN	0.5 µg/g	ND		PASS	HEXYTHIAZOX	1 µg/g	ND		PASS
ACEPHATE	0.4 µg/g	ND		PASS	IMAZALIL	0.2 µg/g	ND		PASS
ACEQUINOCYL	2 µg/g	ND		PASS	IMIDACLOPRID	0.4 µg/g	ND		PASS
ACETAMIPRID	0.2 µg/g	ND		PASS	KRESOXIM-METHYL	0.4 µg/g	ND		PASS
ALDICARB	0.4 µg/g	ND		PASS	MALATHION	0.2 µg/g	ND		PASS
AZOXYSTROBIN	0.2 µg/g	ND		PASS	METALAXYL	0.2 µg/g	ND		PASS
BIFENAZATE	0.2 µg/g	ND		PASS	METHIOCARB	0.2 µg/g	ND		PASS
BIFENTHRIN	0.2 µg/g	ND		PASS	METHOMYL	0.4 µg/g	ND		PASS
BOSCALID	0.4 µg/g	ND		PASS	MYCLOBUTANIL	0.2 µg/g	ND		PASS
CARBARYL	0.2 µg/g	ND		PASS	NALED	0.5 µg/g	ND		PASS
CARBOFURAN	0.2 µg/g	ND		PASS	OXAMYL	1 µg/g	ND		PASS
CHLORANTRANILIPROLE	0.2 µg/g	ND		PASS	PACLOBUTRAZOL	0.4 µg/g	ND		PASS
CHLORFENAPYR	1 µg/g	ND		PASS	PERMETHRIN	0.2 µg/g	ND		PASS
CHLORPYRIFOS	0.2 µg/g	ND		PASS	PHOSMET	0.2 µg/g	ND		PASS
CLOFENTEZINE	0.2 µg/g	ND		PASS	PIPERONYLBUTOXIDE	2 µg/g	ND		PASS
CYFLUTHRIN	1 µg/g	ND		PASS	PRALLETHRIN	0.2 µg/g	ND		PASS
CYPERMETHRIN	1 µg/g	ND		PASS	PROPICONAZOLE	0.4 µg/g	ND		PASS
DAMINOZIDE	1 µg/g	ND		PASS	PROPOXUR	0.2 µg/g	ND		PASS
DIAZINON	0.2 µg/g	ND		PASS	PYRETHRINS	1 µg/g	ND		PASS
DICHLORVOS	0.1 µg/g	ND		PASS	PYRIDABEN	0.2 µg/g	ND		PASS
DIMETHOATE	0.2 µg/g	ND		PASS	SPINOSAD	0.2 µg/g	ND		PASS
ETHOPROPHOS	0.2 µg/g	ND		PASS	SPIROMESIFEN	0.2 µg/g	ND		PASS
ETOFENPROX	0.4 µg/g	ND		PASS	SPIROTETRAMAT	0.2 µg/g	ND		PASS
ETOXAZOLE	0.2 µg/g	ND		PASS	SPIROXAMINE	0.4 µg/g	ND		PASS
FENOXYCARB	0.2 µg/g	ND		PASS	TEBUCONAZOLE	0.4 µg/g	ND		PASS
FENPYROXIMATE	0.4 µg/g	ND		PASS	THIACLOPRID	0.2 µg/g	ND		PASS
FIPRONIL	0.4 µg/g	ND		PASS	THIAMETHOXAM	0.2 µg/g	ND		PASS
FLONICAMID	1 µg/g	ND		PASS	TRIFLOXYSTROBIN	0.2 µg/g	ND		PASS
FLUDIOXONIL	0.4 µg/g	ND		PASS					



## SOP 160: ASPERGILLUS BY GENE-UP QPCR // JAN 02, 2023

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
ASPERGILLUS FLAVUS	Any amt in 1 gram	ND	PASS
ASPERGILLUS FUMIGATUS	Any amt in 1 gram	ND	PASS

## SOP 130: E. COLI BY 3M PETRIFILM // JAN 03, 2023

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
ESCHERICHIA COLI	100 CFU/g	ND	PASS

## SOP 120: SALMONELLA BY GENE-UP QPCR // JAN 03, 2023

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
SALMONELLA SPP.	Any amt in 1 gram	ND	PASS

## SOP 60: MYCOTOXINS BY LC-MS/MS // JAN 02, 2023

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ	PASS/FAIL
AFLATOXINS	20 µg/kg	ND		
AFLATOXIN B1		ND		
AFLATOXIN B2		ND		

## SOP 70: HEAVY METALS BY ICP-MS // JAN 03, 2023

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ	PASS/FAIL
ARSENIC	0.4 µg/g	0.052		PASS
CADMIUM	0.4 µg/g	ND		PASS

## SOP 80: RESIDUAL SOLVENTS BY GC-MS // JAN 03, 2023

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ	PASS/FAIL
BUTANE		ND		
HEXANE		ND		
ACETONE	1000 µg/g	ND		
BENZENE	2 µg/g	ND		
BUTANES	5000 µg/g	ND		
ETHANOL	5000 µg/g	ND		
HEPTANE	5000 µg/g	ND		
HEXANES	290 µg/g	ND		
PENTANE		ND		
PROPANE	5000 µg/g	ND		
TOLUENE	890 µg/g	ND		
METHANOL	3000 µg/g	ND		
PENTANES	5000 µg/g	ND		
O-XYLENE		ND		
ISOBUTANE		ND		
CHLOROFORM	60 µg/g	ND		

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
ASPERGILLUS NIGER	Any amt in 1 gram	ND	PASS
ASPERGILLUS TERREUS	Any amt in 1 gram	ND	PASS

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ	PASS/FAIL
AFLATOXIN G1		ND		
AFLATOXIN G2		ND		
OCHRATOXIN A	20 µg/kg	ND		

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ	PASS/FAIL
LEAD	1 µg/g	ND		PASS
MERCURY	1.2 µg/g	0.015		PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ	PASS/FAIL
ISOPENTANE		ND		
NEOPENTANE		ND		
ETHYL ETHER	5000 µg/g	ND		
ACETONITRILE	410 µg/g	ND		
ETHYLBENZENE		ND		
ETHYL ACETATE	5000 µg/g	ND		
TOTAL XYLENES	2170 µg/g	ND		
2-METHYLPENTANE		ND		
3-METHYLPENTANE		ND		
DICHLOROMETHANE	600 µg/g	ND		
P- AND M-XYLENE		ND		
ISOPROPYL ACETATE	5000 µg/g	ND		
ISOPROPYL ALCOHOL	5000 µg/g	ND		
2,2-DIMETHYLBUTANE		ND		
2,3-DIMETHYLBUTANE		ND		

