

SUMMARY OF ANALYSIS (ORDER ID: OR70, SAMPLE ID: SA661)
Date Collected: 02/16/2023, Date Received: 02/17/2023, Date Completed: 02/24/2023

Customer ID: 10	Sample Description: Bulk Flower White Truffles	Sample Amount: 8.87g
Southern Sky Brands	Lot Number: 1A42301000004B1000000291	Batch Amount:
128 South Lake Circle	Batch Number: 1A42301000004B1000000266	
Canton, MS 39046	Sample Matrix: Flower	
License: CULV000845		

This page is a summary of the analysis performed. For analytical details, consult the attached page(s). All contaminant action levels are referenced from the State of Mississippi MMJ testing guidelines.

Moisture Content (%)	PASS/FAIL	Water Activity (aw)	PASS/FAIL
10.4	PASS	0.514 @ 25.0°C	PASS

Moisture content/water activity action levels are referenced from the State of Mississippi MMJ testing guidelines.
 Moisture content levels must be less than 15%. Water activity levels must be less than 0.65aw.

Cannabinoids (Top 3)	(%)	mg/g
THCA	21.4	214
Δ9-THC	0.197	1.97
CBD	-	-
TOTAL CBD	-	-
TOTAL THC	19.0	190
TOTAL CANNABINOIDS	21.6	216

Terpenes (Top 5)	(%)	mg/g
β-Caryophyllene	0.341	3.41
d-Limonene	0.225	2.25
β-Myrcene	0.208	2.08
α-Humulene	0.156	1.56
β-Ocimene	0.0778	0.778
TOTAL TERPENES	1.19	11.9

Contaminants	PASS/FAIL
Heavy Metals:	PASS
Microbiology:	PASS
Mycotoxins:	PASS
Pesticides:	PASS



Scan the QR code to verify results.

This information is provided as a service and makes no claims of efficacy and/or safety of this product.
 Results are applicable only for the sample(s) analyzed and for the specific analysis conducted.
 This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms.
 The statements and results herein have not been approved and/or endorsed by the FDA.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of
 Rapid Analytics LLC



SUMMARY OF ANALYSIS (ORDER ID: OR70, SAMPLE ID: SA661)
Date Collected: 02/16/2023, Date Received: 02/17/2023, Date Completed: 02/24/2023

Customer ID: 10
Southern Sky Brands
128 South Lake Circle
Canton, MS 39046
License: CULV000845

Sample Description: Bulk Flower White Truffles
Lot Number: 1A42301000004B1000000291
Batch Number: 1A42301000004B1000000266
Sample Matrix: Flower

Sample Amount: 8.87g
Batch Amount:

CANNABINOID (POTENCY) PROFILE (SOP: SOP-CANN-001)

Analysis Date/Time: 02/18/2023 2416
Analyst: PG

Method: HPLC/DAD
Instrument: Shimadzu LC-2050

Moisture Content (%): 10.4
Water Activity (aw): 0.514 @ 25.0°C

Cannabinoid	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)	Result (mg/mL)	Per Serving (mg)	Per Unit (mg)
CBC	ND	ND	0.218	0.508	-	-	-
CBCA	ND	ND	0.675	1.58	-	-	-
CBD	ND	ND	1.53	3.58	-	-	-
CBDA	ND	ND	0.565	1.32	-	-	-
CBDV	ND	ND	0.246	0.574	-	-	-
CBDVA	ND	ND	0.656	1.53	-	-	-
CBG	ND	ND	0.996	2.33	-	-	-
CBGA	ND	ND	0.714	1.67	-	-	-
CBL	ND	ND	1.15	2.69	-	-	-
CBN	ND	ND	0.529	1.23	-	-	-
CBNA	ND	ND	0.570	1.33	-	-	-
Δ9-THC	0.197	1.97	0.633	1.48	-	1.97	1.97
Δ8-THC	ND	ND	0.988	2.31	-	-	-
THCA	21.4	214	0.343	0.803	-	214	214
THCV	ND	ND	0.824	1.92	-	-	-
THCVA	ND	ND	0.263	0.612	-	-	-
TOTAL	21.6	216				216	216
TOTAL CBC	-	-				-	-
TOTAL CBD	-	-				-	-
TOTAL CBDV	-	-				-	-
TOTAL CBG	-	-				-	-
TOTAL CBN	-	-				-	-
TOTAL THC	19.0	190				190	190
TOTAL THCV	-	-				-	-



SERVING MASS (g): 1.00
SERVINGS/UNIT: 1

Deviations from standard operating procedure:
None

Recoveries for all analyte standards: 90-110%
Replicate Uncertainties: <5% RSD, <20% RPD
Sample/Reagent Blanks: <RL for all analytes

Values for plant matter are adjusted for moisture content.

Total CBC = (CBCA x 0.877) + CBC
Total CBD = (CBDA x 0.877) + CBD
Total CBDV = (CBDVA x 0.867) + CBDV
Total CBG = (CBGA x 0.878) + CBG
Total CBN = (CBNA x 0.876) + CBN
Total THC = (THCA x 0.877) + Δ9-THC
Total THCV = (THCVA x 0.867) + THCV

Percentage results are reported by mass.

mg/g results are reported as mass component per mass material.

Abbreviations: DAD - Diode Array Detector, HPLC - High Pressure Liquid Chromatography,
RPD - Relative Percent Difference, RSD - Relative Standard Deviation, ND - Not Detected Above LOD
LOD - Limit of Detection, LOQ - Limit of Quantitation

This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms. The statements and results herein have not been approved and/or endorsed by the FDA.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Rapid Analytics LLC




SUMMARY OF ANALYSIS (ORDER ID: OR70, SAMPLE ID: SA661)
Date Collected: 02/16/2023, Date Received: 02/17/2023, Date Completed: 02/24/2023

Customer ID: 10
Southern Sky Brands
128 South Lake Circle
Canton, MS 39046
License: CULV000845

Sample Description: Bulk Flower White Truffles
Lot Number: 1A42301000004B1000000291
Batch Number: 1A42301000004B1000000266
Sample Matrix: Flower

Sample Amount: 8.87g
Batch Amount:

TERPENOID PROFILE (SOP: SOP-TERPS-001)

Analysis Date/Time: 02/18/2023 0616
Analyst: KF

Method: GC/MS
Instrument: Shimadzu GC-2010SE/AOC-20i

Deviations from SOP:
None

<u>Terpene</u>	<u>Result (%)</u>	<u>Result (mg/g)</u>	<u>LOD (mg/g)</u>	<u>LOQ (mg/g)</u>
α-Bisabolol	0.0370	0.370	0.1	0.3
Camphene	0.00741	0.0741	0.2	0.1
δ-3-Carene	ND	ND	0.08	0.3
β-Caryophyllene	0.341	3.41	0.08	0.3
Caryophyllene oxide	ND	ND	0.07	0.3
p-Cymene	ND	ND	0.05	0.1
Eucalyptol	ND	ND	0.08	0.5
Geraniol	<LOQ	<LOQ	0.2	1
Guaiol	ND	ND	0.09	0.3
α-Humulene	0.156	1.56	0.06	0.3
Isopulegol	<LOQ	<LOQ	0.07	0.3
d-Limonene	0.225	2.25	0.05	0.3
Linalool	0.0470	0.470	0.04	0.1
β-Myrcene	0.208	2.08	0.03	0.1
cis-Nerolidol	ND	ND	0.04	0.1
trans-Nerolidol	0.00688	0.0688	0.07	0.2
α-Ocimene	ND	ND	0.04	0.08
β-Ocimene	0.0778	0.778	0.03	0.2
α-Pinene	0.0290	0.290	0.08	0.1
β-Pinene	0.0509	0.509	0.06	0.1
α-Terpinene	ND	ND	0.06	0.1
γ-Terpinene	ND	ND	0.05	0.3
Terpinolene	0.00387	0.0387	0.05	0.3
TOTAL	1.19	11.9		



Abbreviations: GC - Gas Chromatography, MS - Mass Spectrometry, ND - Not Detected Above LOD, LOD - Limit of Detection, LOQ - Limit of Quantitation

This information is provided as a service and makes no claims of efficacy and/or safety of this product.

Results are applicable only for the sample(s) analyzed and for the specific analysis conducted.

This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms.

The statements and results herein have not been approved and/or endorsed by the FDA.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Rapid Analytics LLC




SUMMARY OF ANALYSIS (ORDER ID: OR70, SAMPLE ID: SA661)
Date Collected: 02/16/2023, Date Received: 02/17/2023, Date Completed: 02/24/2023

Customer ID: 10
Southern Sky Brands
128 South Lake Circle
Canton, MS 39046
License: CULV000845

Sample Description: Bulk Flower White Truffles
Lot Number: 1A42301000004B1000000291
Batch Number: 1A42301000004B1000000266
Sample Matrix: Flower

Sample Amount: 8.87g
Batch Amount:

MYCOTOXINS/PESTICIDES PROFILE (SOP: SOP-MYCOPEST-001)

Analysis Date/Time: 02/18/2023 0217
Analyst: KF

Method: LC/MS/MS
Instrument: Shimadzu LCMS-8050

Deviations from SOP:
None

Pesticide	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)	Pesticide	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)
Abamectin (71751-41-2)	ND	0.05	0.4	0.5	Fludioxinil (131341-86-1)	ND	0.05	0.4	0.4
Acephate (30560-19-1)	ND	0.05	0.4	0.4	Hexythiazox (78587-05-0)	ND	0.05	0.4	1
Acequinocyl (57960-19-7)	ND	0.05	0.4	2	Imazalil (35554-44-0)	ND	0.05	0.4	0.2
Acetamiprid (135410-20-7)	ND	0.05	0.4	0.2	Imidacloprid (138261-41-3)	ND	0.05	0.4	0.4
Aldicarb (116-06-3)	ND	0.05	0.4	0.4	Kresoxim-methyl (143390-89-0)	ND	0.05	0.4	0.4
Azoxystrobin (131860-33-8)	ND	0.05	0.4	0.2	Malathion (121-75-5)	ND	0.05	0.4	0.2
Bifenazate (149877-41-8)	ND	0.05	0.4	0.2	Metaxyl (57837-19-1)	ND	0.05	0.4	0.2
Bifenthrin (82657-04-3)	ND	0.05	0.4	0.2	Methiocarb (2032-65-7)	ND	0.05	0.4	0.2
Boscalid (188425-85-6)	ND	0.05	0.4	0.4	Methomyl (16752-77-5)	ND	0.05	0.4	0.4
Carbaryl (63-25-2)	ND	0.05	0.4	0.2	Methyl parathion (298-0-0)	ND	0.05	0.4	0.2
Carbofuran (1563-66-2)	ND	0.05	0.4	0.2	Myclobutanil (88671-89-0)	ND	0.05	0.4	0.2
Chlorantraniliprole (800008-45-7)	ND	0.05	0.4	0.2	Naled (300-76-5)	ND	0.05	0.4	0.5
Chlorfenapyr (122453-73-0)	ND	0.05	0.4	1	Oxamyl (23135-22-0)	ND	0.05	0.4	1
Chlorpyrifos (2921-88-2)	ND	0.05	0.4	0.2	Pacllobutrazol (76738-62-0)	ND	0.05	0.4	0.4
Chlomequat chloride (7003-89-6)	ND	0.05	0.4	0.2	Permethrins (52645-53-1)	ND	0.05	0.4	0.2
Clofentezine (74115-24-5)	ND	0.05	0.4	0.2	Phosmet (732-11-6)	ND	0.05	0.4	0.2
Cyfluthrin (68359-37-5)	ND	0.05	0.4	1	Piperonyl butoxide (51-03-6)	ND	0.05	0.4	2
Cypermethrin (52315-07-8)	ND	0.05	0.4	1	Prallethrins (2331-36-9)	ND	0.05	0.4	0.2
Daminozide (1596-84-5)	ND	0.05	0.4	1	Propiconazole (60207-90-1)	ND	0.05	0.4	0.4
DDVP (62-73-7)	ND	0.05	0.4	0.1	Propoxur (114-26-1)	ND	0.05	0.4	0.2
Diazinon (333-41-5)	ND	0.05	0.4	0.2	Pyrethrins (8003-34-7)	ND	0.05	0.4	1
Dimethoate (60-51-5)	ND	0.05	0.4	0.2	Pyridaben (96489-71-3)	ND	0.05	0.4	0.2
Ethoprophos (13194-48-4)	ND	0.05	0.4	0.2	Spinosad (168316-95-8)	ND	0.05	0.4	0.2
Etofenprox (80844-07-1)	ND	0.05	0.4	0.4	Spiromesifen (283594-90-1)	ND	0.05	0.4	0.2
Etoxazole (153233-91-1)	ND	0.05	0.4	0.2	Spirotetramat (203313-25-1)	ND	0.05	0.4	0.2
Fenoxycarb (72490-01-8)	ND	0.05	0.4	0.2	Spiroxamine (118134-30-8)	ND	0.05	0.4	0.4
Fenpyroximate (134098-61-6)	ND	0.05	0.4	0.4	Tebuconazole (80443-41-0)	ND	0.05	0.4	0.4
Fipronil (120068-37-3)	ND	0.05	0.4	0.4	Thiacloprid (111988-49-9)	ND	0.05	0.4	0.2
Fonicamid (158062-67-0)	ND	0.05	0.4	1	Thiamethoxam (153719-23-4)	ND	0.05	0.4	0.2
					Trifloxystrobin (141517-21-7)	ND	0.05	0.4	0.2

Mycotoxin	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)	Mycotoxin	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)
Aflatoxin B1 (71751-41-2)	ND	0.05	0.4	0.020	Aflatoxin G1 (111988-49-9)	ND	0.05	0.4	0.020
Aflatoxin B2 (30560-19-1)	ND	0.05	0.4	0.020	Aflatoxin G2 (153719-23-4)	ND	0.05	0.4	0.020
					Ochratoxin A (141517-21-7)	ND	0.05	0.4	0.020



Color Key

RESULT < AL
RESULT > AL

Permethrins measured as the cumulative residue of the *cis*- and *trans*- permethrin isomers.

Action levels are referenced from the State of Mississippi MMJ testing guidelines.

A value of "-" for the action level means that analyte is not currently regulated by the regulations referenced above.

Disclaimer: This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms. The statements and results herein have not been approved and/or endorsed by the FDA.

Abbreviations: LC - Liquid Chromatography, MS - Mass Spectrometry, AL - Action Level, CAS - Chemical Abstract Services, LOD - Limit of Detection, LOQ - Limit of Quantification, ND - Not Detected Above LOD

Pesticide	Synonym(s)	Pesticide	Synonym(s)	Pesticide	Synonym(s)
Cyfluthrin	Baythroid	Myclobutanil	Sythane	Propiconazole	Tilt
DDVP	Dichlorvos	Naled	Dibrom	Propoxur	Baygon
Ethoprophos	Prophos	Phosmet	Imidan		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Rapid Analytics LLC



SUMMARY OF ANALYSIS (ORDER ID: OR70, SAMPLE ID: SA661)
Date Collected: 02/16/2023, Date Received: 02/17/2023, Date Completed: 02/24/2023

Customer ID: 10
Southern Sky Brands
128 South Lake Circle
Canton, MS 39046
License: CULV000845

Sample Description: Bulk Flower White Truffles
Lot Number: 1A42301000004B1000000291
Batch Number: 1A42301000004B1000000266
Sample Matrix: Flower

Sample Amount: 8.87g
Batch Amount:

HEAVY METAL PROFILE (SOP: SOP-ICP-200.8)

Analysis Date/Time: 02/21/2023 1833
Analyst: KF

Method: ICP/MS
Instrument: Shimadzu ICPMS-2030LF

Deviations from SOP:
None

Heavy Metal	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)
Arsenic (As)	ND	0.06	0.1	0.4
Cadmium (Cd)	ND	0.04	0.1	0.4
Lead (Pb)	ND	0.1	0.2	1.0
Mercury (Hg)	0.480	0.09	0.2	1.2



Abbreviations: ICP - Inductively-Coupled Plasma, MS - Mass Spectrometry, AL - Action Level, LOD - Limit of Detection, LOQ - Limit of Quantitation, ND - Not Detected Above LOD

Color Key

RESULT < AL
RESULT > AL

MICROBIOLOGICAL PROFILE (SOP: SOP-MICRO-001)

Analysis Date/Time: 02/21/2023 0900
Analyst: PG

Method: PathogenDX
Instrument: Sensovation AG 733

Deviations from SOP:
None

Bacteria/Microbe	Result (CFU/g)	Action Level (CFU/g)
Total Escherichia coli	Absent	100
Shiga toxin-producing Escherichia coli	Absent	Present
Salmonella spp.	Absent	Present
Aspergillus flavus	Absent	Present
Aspergillus fumigatus	Absent	Present
Aspergillus niger	Absent	Present
Aspergillus terreus	Absent	Present

Color Key

RESULT < AL

RESULT > AL

Reporting Limit (CFU/g)

1

Abbreviations: CFU - Colony-Forming Unit, RL - Reporting Limit, AL - Action Level, TNTC - Too Numerous To Count, NT - Not Tested, Absent - Not Detected Above RL, Present - Detected Above RL

Action levels for heavy metals and microbiology are referenced from the State of Mississippi MMJ testing guidelines.

Disclaimer: This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms. The statements and results herein have not been approved and/or endorsed by the FDA.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of
Rapid Analytics LLC


