

SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-24795)

Table with 4 columns: Testing Location, Customer ID, Order ID, Sample Type, etc.

*This page is simply a summary of the analysis performed. For analytical details, please consult the individual Certificate(s) of Analysis for each of the specific test(s) performed.

Table with 4 columns: Moisture Content (%), PASS/FAIL, Water Activity (aw), PASS/FAIL

Table with 2 columns: Cannabinoids (Top 3) and (%), mg/g

Table with 2 columns: Terpenes (Top 5) and (%), ug/g

Table with 2 columns: Contaminants and PASS/FAIL



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.

Ke W Pitz Regulatory Director

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CERTIFICATE OF ANALYSIS (SAMPLE ID: SA2020-24795)

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CANNABINOID (POTENCY) PROFILE

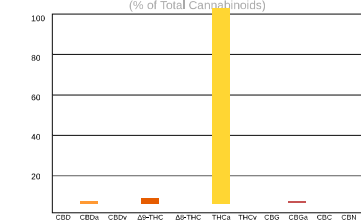
Table with 2 columns: Analysis Date/Time, Method, Instrument, Moisture Content, Water Activity

Table with 6 columns: Cannabinoid, Result (%), Result (mg/g), Reporting Limit (mg/g), Result (mg/mL), Per Unit (mg)



Table with 2 columns: TOTAL THC, TOTAL CBD, UNIT MASS (g)

Cannabinoid Distribution



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 THC = (THCa x 0.877) + Δ8-THC Total CBD = (CBDa x 0.877) + CBD

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

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TERPENOID PROFILE

Table with 2 columns: Analysis Date/Time, Method, Instrument, Deviations from SOP

Table with 4 columns: Terpene, Result (ug/g), Result (%), Reporting Limit (ug/g)



Abbreviations: HS = Headspace, GC - Gas Chromatography, MS = Mass Spectrometry, RL - Reporting Limit

*- Not detected above RL.

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RESIDUAL SOLVENT PROFILE

Table with 2 columns: Analysis Date/Time, Method, Instrument, Deviations from SOP

Table with 4 columns: Solvent, Result (ug/g), Action Level (ug/g), Color Key



Table with 4 columns: Solvent, Synonym(s), Solvent, Synonym(s), Solvent, Synonym(s)

Abbreviations: HS=Headspace, GC-Gas Chromatography, MS-Mass Spectrometry, RL-Reporting Limit, AL-Action Level CAS-Chemical Abstract Services

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SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-24795)

Testing Location: OKC
3680 E. I-240 Service Rd.
Oklahoma City, OK 73135
License: LAAA-4Y4X-Z7ZZ

Customer ID: 1448
8750 84th St
Noble, OK 73068
License: PAAA-VJZG-KNPG

Order ID: OR2020-7745
Lot Number: GG4B01
Batch Number: 307

Sample Type: Primary
Matrix: Concentrate
Mass: 2g
Date Collected: 03/25/2020
Date Received: 03/25/2020
Date Completed: 03/30/2020

Cultivar (Strain) or Sample Description: GG4


PESTICIDES PROFILE

Analysis Date/Time: 03/26/2020 0926
Analyst: DJ

Method: LC/MS/MS
Instrument: Waters Acquity/TQD

Deviations from SOP: None

Pesticide	Result (ug/g)	Action Level (ug/g)	Color Key
Abamectin (71751-41-2)	-	0.5	RESULT < 1/2 AL
Azoxystrobin (131860-33-8)	-	0.5	1/2 AL < RESULT < AL
Bifenoxate* (149877-41-8)	-	0.5	RESULT > AL
Etoxazole (153233-91-1)	-	0.5	Reporting Limit (ug/g)
Imazali (355544-4-0)	-	0.5	1/2 of AL
Imidacloprid (130261-41-3)	-	0.5	"-" not detected above reporting limit
Malathion (121-75-5)	-	0.5	"*" analyzed by GC/MS (all others analyzed by LC/MS/MS)
Mythobutanol (88671-89-0)	-	0.5	Permethrins measured as the cumulative residue of the cis- and trans-permethrin isomers.
Permethrin* (52645-53-1)	-	0.5	
Spinosad A (168316-95-4)	-	0.5	
Spinosad D (168316-95-4)	-	0.5	
Spiromesifen (203394-90-1)	-	0.5	
Spirotetramat (203313-25-1)	-	0.5	
Tebuconazole (80443-1-0)	-	0.5	



Abbreviations: LC - Liquid Chromatography, GC - Gas Chromatography, MS - Mass Spectrometry, RL - Reporting Limit, AL - Action Level, CAS - Chemical Abstract Services

Pesticide	Synonyms(s)	Pesticide	Synonyms(s)	Pesticide	Synonyms(s)
Cyfluthrin	Baythroid	Methidathion	Systhane	Propiconazole	Tilt
DIMP	Dichlofenvosin	Naled	Dibrom	Propoxur	Baygon
Ethofenprox	Prophos	Phosmet	Imidan		

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HEAVY METAL PROFILE

Analysis Date/Time: 03/26/2020 0926
Analyst: CC

Method: ICP/MS
Instrument: PerkinElmer Elan 9000

Deviations from SOP: None

Heavy Metal	Result (ug/kg)	Action Level (ug/kg)
Arsenic (As)	-	400
Cadmium (Cd)	-	440
Lead (Pb)	-	1000
Mercury (Hg)	-	200



Abbreviations: ICP - Inductively-Coupled Plasma, OES - Optical Emission Spectroscopy, MS - Mass Spectrometry, RL - Reporting Limit, AL - Action Level

Color Key

RESULT < 1/2 AL

1/2 AL < RESULT < AL

RESULT > AL

Reporting Limit (ug/kg)
50

"-" not detected above reporting limit

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MYCOTOXIN PROFILE

Analysis Date/Time: 03/26/2020 0926
Analyst: DJ

Method: LC/MS/MS
Instrument: Waters Acquity/TQD

Deviations from SOP: None

Mycotoxin	Result (ug/kg)	Action Level (ug/kg)
Aflatoxin B1	-	20
Aflatoxin B2	-	20
Aflatoxin G1	-	20
Aflatoxin G2	-	20
Ochratoxin A	-	20



Abbreviations: EC - Escherichia Coli, CFU - Colony-Forming Unit, RL - Reporting Limit, AL - Action Level

Color Key

RESULT < 1/2 AL

1/2 AL < RESULT < AL

RESULT > AL

Reporting Limit (CFU/g)
1

"-" not detected above reporting limit

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MICROBIOLOGICAL PROFILE

Analysis Date/Time: 03/26/2020 0926
Analyst: KB

Method: Hardy Diagnostics CompactDry
Instrument: Thermo Incubator

Deviations from SOP: None

Bacteria/Microbe	Result (CFU/g)	Action Level (CFU/g)
Aerobic Plate Count, Total	Absent	-
Escherichia Coli (E. Coli)	Absent	1
Mold	Absent	10000
Yeast	Absent	10000
Salmonella spp.	Absent	1



Abbreviations: EC - Escherichia Coli, CFU - Colony-Forming Unit, RL - Reporting Limit, AL - Action Level, NT - Not Tested

Color Key

RESULT < 1/2 AL

1/2 AL < RESULT < AL

RESULT > AL

Reporting Limit (CFU/g)
1

"-" not detected above reporting limit

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