

Southwind Agriculture LLC

9901 West Brake Road
Ponca City, OK 74601
jmv102498@gmail.com
(405) 699-1912
Lic. #GAAA-NYPY-M39H

Sample: 2104HGL2442.9850

Strain: GG4

Sample Received: 04/22/2021; Report Created: 04/27/2021
Plant, Flower - Cured, Indoor

GG4

Lot#: GG.04.22.21
Batch#: GG.04.22.21
Batch Size: g



Cannabinoids

Complete

Total THC: 21.57%

Total CBD: 0.07%

Analyte	LOQ	Mass	Mass
	%	%	mg/g
THCa	0.04	23.80	238.0
Δ9-THC	0.04	0.70	7.0
Δ8-THC	0.04	ND	ND
THCV	0.04	ND	ND
CBDa	0.04	0.08	0.8
CBD	0.04	ND	ND
CBDV	0.04	ND	ND
CBN	0.04	ND	ND
CBGa	0.04	0.68	6.8
CBG	0.04	0.06	0.6
CBC	0.04	ND	ND
Total		25.32	253.2

■ CBG ■ CBDa ■ CBGa ■ THCa
■ Δ9-THC



Date Tested: 04/27/2021

Analysis performed on Agilent Infinity II 1260 HPLC

Total THC = THCa * 0.877 + d9-THC

Total CBD = CBDa * 0.877 + CBD

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.



2200 S Prospect Ave
Oklahoma City, OK
(405) 724-8444
highgradelabs.com
Lic# LAAA-NKSE-J8CM



Abigail Burkhardt

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Laboratory Director

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Certificate of Analysis

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2 of 4

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Terpenes



Analyte	LOQ	Mass	Mass
	%	%	mg/g
Farnesene	0.01	0.55	5.5
β-Myrcene	0.01	0.49	4.9
β-Caryophyllene	0.01	0.29	2.9
Limonene	0.01	0.19	1.9
Linalool	0.01	0.10	1.0
α-Humulene	0.01	0.08	0.8
Guaiol	0.01	0.06	0.6
Nerol	0.01	0.06	0.6
α-Bisabolol	0.01	0.06	0.6
Valencene	0.01	0.04	0.4
α-Terpineol	0.01	0.04	0.4
β-Pinene	0.01	0.02	0.2
Endo-Fenchyl Alcohol	0.01	0.02	0.2
α-Pinene	0.01	0.02	0.2
trans-Nerolidol	0.01	0.02	0.2
Geranyl Acetate	0.01	0.01	0.1
α-Cedrene	0.01	ND	ND
α-Phellandrene	0.01	ND	ND
α-Terpinene	0.01	ND	ND
Borneol	0.01	ND	ND
Camphene	0.01	ND	ND
Camphor	0.01	ND	ND
Caryophyllene Oxide	0.01	<LOQ	<LOQ
Cedrol	0.01	<LOQ	<LOQ
cis-Nerolidol	0.01	ND	ND
cis-Ocimene	0.01	ND	ND
δ-3-Carene	0.01	ND	ND
Eucalyptol	0.01	ND	ND
Fenchone	0.01	ND	ND
γ-Terpinene	0.01	ND	ND
γ-Terpineol	0.01	ND	ND
Geraniol	0.01	ND	ND
Hexahydro Thymol	0.01	ND	ND
Isoborneol	0.01	ND	ND
Isopulegol	0.01	ND	ND
Pulegone	0.01	ND	ND
p-Cymene	0.01	ND	ND
Sabinene	0.01	ND	ND
Sabinene Hydrate	0.01	ND	ND
Terpinolene	0.01	ND	ND
trans-Ocimene	0.01	ND	ND
Total		2.06	20.6

Primary Aromas



Magnolia



Hops



Cinnamon



Orange



Lavender

Date Tested: 04/27/2021; Analysis performed on Agilent 7890A GCFID

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Solvents

Not Tested

Analyte	LOQ	Limit	Results
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Microbials

Pass

Analyte	Limit CFU/g	Results CFU/g	Status
Yeast & Mold	10000	100	Pass
E. Coli	1	ND	Pass
Salmonella	1	ND	Pass
Aspergillus	1	ND	Pass

Date Tested: 04/26/2021
Aerobic plate count performed on 3M Petrifilm Aerobic Count Plates. E. coli test performed on 3M Petrifilm E. coli/Coliform Plates. Salmonella test performed on 3M MDS system. Yeast and Mold test performed on 3M Petrifilm Rapid Yeast and Mold Plate. TNTC = Too Numerous to Count

Heavy Metals

Pass

Analyte	LOQ PPB	Limit PPB	Results PPB	Status
Arsenic	25	200	36	Pass
Cadmium	25	200	51	Pass
Lead	25	500	81	Pass
Mercury	10	100	<LOQ	Pass

Date Tested:
Notes:

Foreign Matter

Pass

Notes:

Moisture
10.1%
Complete

Water Activity
0.47130 aw
Complete
Limit: 0.65 Aw

Date Tested: 04/26/2021
Analysis performed on Agilent 7800 ICP-MS
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Pesticides

Pass

Analyte	LOQ	Limit	Units	Status	Analyte	LOQ	Limit	Units	Status
	PPM	PPM	PPM			PPM	PPM	PPM	
Abamectin	0.025	0.500	ND	Pass	Myclobutanil	0.025	0.200	ND	Pass
Azoxystrobin	0.025	0.200	ND	Pass	Permethrin	0.025	0.200	ND	Pass
Bifenazate	0.025	0.200	ND	Pass	Spinosad	0.025	0.200	ND	Pass
Etoazole	0.025	0.200	ND	Pass	Spiromesifen	0.025	0.200	ND	Pass
Imazalil	0.025	0.200	ND	Pass	Spirotetramat	0.025	0.200	ND	Pass
Imidacloprid	0.025	0.400	ND	Pass	Tebuconazole	0.025	0.400	ND	Pass
Malathion	0.025	0.200	ND	Pass					

Date Tested: 04/26/2021

Notes:

Analysis performed on Agilent Infinity II 1260 / 6470 Triple Quadrupole LC/MS

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Mycotoxins

Pass

Analyte	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Total Aflatoxins (B1 B2 G1 and G2)	2.50	20.00	ND	Pass
Ochratoxin A	2.50	20.00	ND	Pass

Date Tested: 04/26/2021

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