



Certificate of Analysis

Laboratory Sample ID: TE40906002-027



Production Method: Cured
Batch#: GAST240516
Harvest Date: 08/05/24
Sample Size Received: 23.47 gram
Total Amount: 7 gram
Retail Product Size: 10 gram
Retail Serving Size: 10 gram
Servings: 1
Ordered: 09/06/24
Sampled: 09/06/24
Sample Collection Time: 03:15 PM
Completed: 09/10/24


Sep 10, 2024 | Project Packs
 License # 00000084ESFH12297246
 2239 N Black Canyon Hwy
 Phoenix, AZ, 85009, US

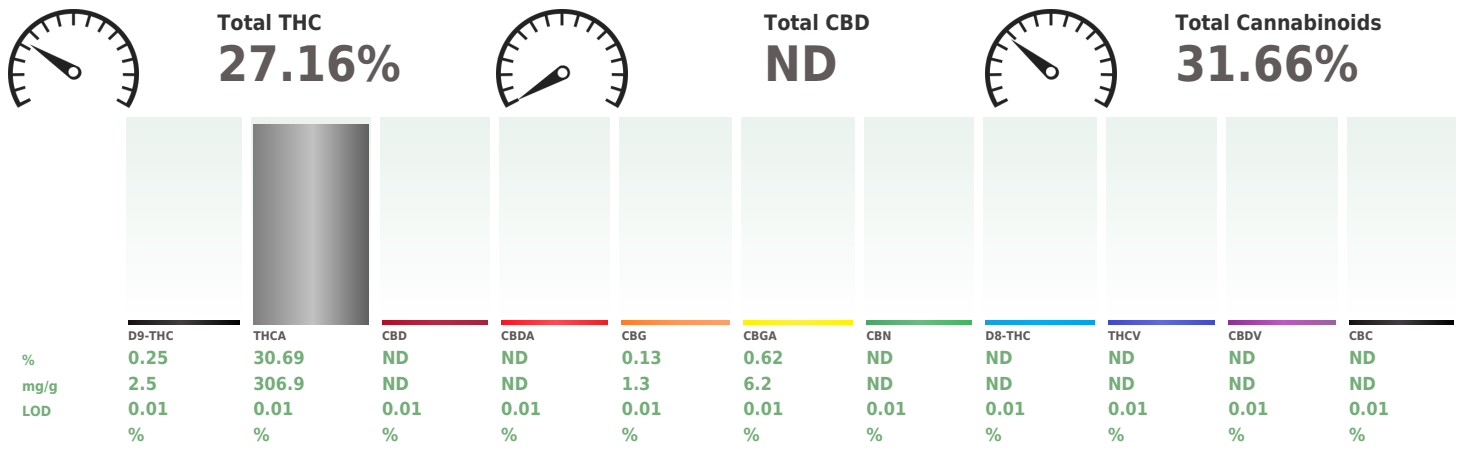
PASSED

Pages 1 of 6

SAFETY RESULTS

 Pesticides PASSED	 Heavy Metals PASSED	 Microbials PASSED	 Mycotoxins PASSED	 Residuals Solvents NOT TESTED	 Filtration NOT TESTED	 Water Activity NOT TESTED	 Moisture NOT TESTED	 MISC. Terpenes TESTED
------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------

 **Cannabinoid** **PASSED**



Analyzed by: 432, 312, 272, 333 Weight: 0.1939g Extraction date: 09/10/24 11:48:36 Extracted by: 432,312

Analysis Method : SOP.T.30.500, SOP.T.30.031, SOP.T.40.031
 Analytical Batch : TE005773POT Reviewed On : 09/10/24 15:19:47
 Instrument Used : TE-004 "Duke Leto" (Flower) Batch Date : 09/09/24 12:17:47
 Analyzed Date : 09/09/24 18:45:13

Dilution : 400
 Reagent : N/A
 Consumables : N/A
 Pipette : N/A

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with Photo Diode Array detector (HPLC-PDA) for analysis. (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.031 for sample prep, SOP.T.40.031 for analysis on Shimadzu LC-20X0 series HPLCs). Potency results for cannabis flower products are reported on an "as received" basis, without moisture correction.

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Ariel Gonzales
 Lab Director

State License #
 0000024LCMD66604568
 ISO 17025 Accreditation # 97164



Signature
 09/10/24



Certificate of Analysis

PASSED

Project Packs

2239 N Black Canyon Hwy
Phoenix, AZ, 85009, US
Telephone: (530) 514-0500
Email: adam@projectpacks.co
License #: 0000084ESFH12297246

Sample : TE40906002-027

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Sample Method : SOP Client Method

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Terpenes

TESTED

Terpenes	LOD (%)	mg/g	%	Result (%)	Terpenes	LOD (%)	mg/g	%	Result (%)
TOTAL TERPENES	18.578	1.8578		<div style="width: 100%;"></div>	ALPHA-BISABOLOL	ND	ND		<div style="width: 0%;"></div>
LIMONENE	6.031	0.6031		<div style="width: 30%;"></div>	ALPHA-CEDRENE	ND	ND		<div style="width: 0%;"></div>
BETA-CARYOPHYLLENE	3.013	0.3013		<div style="width: 15%;"></div>	ALPHA-PHELLANDRENE	ND	ND		<div style="width: 0%;"></div>
BETA-MYRCENE	1.809	0.1809		<div style="width: 8%;"></div>	ALPHA-TERPINENE	ND	ND		<div style="width: 0%;"></div>
OCIMENE	1.563	0.1563		<div style="width: 7%;"></div>	CIS-NEROLIDOL	ND	ND		<div style="width: 0%;"></div>
ALPHA-PINENE	1.455	0.1455		<div style="width: 6%;"></div>	GAMMA-TERPINENE	ND	ND		<div style="width: 0%;"></div>
LINALOOL	1.449	0.1449		<div style="width: 6%;"></div>	GAMMA-TERPINEOL	ND	ND		<div style="width: 0%;"></div>
ALPHA-HUMULENE	1.249	0.1249		<div style="width: 5%;"></div>	TRANS-NEROLIDOL	ND	ND		<div style="width: 0%;"></div>
BETA-PINENE	1.212	0.1212		<div style="width: 5%;"></div>					
FENCHYL ALCOHOL	0.443	0.0443		<div style="width: 1%;"></div>	Analyzed by: 334, 272, 333 Weight: 0.2377g Extraction date: 09/09/24 15:05:17 Extracted by: 334 Analysis Method : SOP.T.30.500, SOP.T.30.064, SOP.T.40.064 Analytical Batch : TE005771TER Reviewed On : 09/10/24 18:56:50 Instrument Used : TE-096 "MS - Terpenes 1" Batch Date : 09/09/24 11:20:29 Analyzed Date : 09/09/24 15:05:47 Dilution : 5 Reagent : N/A Consumables : N/A Pipette : N/A Terpenes screening is performed using GC-MS which can detect below single digit ppm concentrations. (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.064 for sample prep, and SOP.T.40.064 for analysis via ThermoScientific 1310-series GC equipped with an AI 1310-series liquid injection autosampler and detection carried out by ISQ 7000-series mass spectrometer). Terpene results are reported on a wt/wt% basis. Testing result is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R9-17-317.01(A) or labeling requirements in R9-17-317. Nor, can it be used to satisfy marijuana establishment testing requirements in R9-18-311(A) or labeling requirements in R9-18-310 - Q3.				
ALPHA-TERPINEOL	0.354	0.0354		<div style="width: 0.5%;"></div>					
3-CARENE	ND	ND		<div style="width: 0%;"></div>					
BORNEOL	ND	ND		<div style="width: 0%;"></div>					
CAMPHENE	ND	ND		<div style="width: 0%;"></div>					
CAMPHOR	ND	ND		<div style="width: 0%;"></div>					
CARYOPHYLLENE OXIDE	ND	ND		<div style="width: 0%;"></div>					
CEDROL	ND	ND		<div style="width: 0%;"></div>					
EUCALYPTOL	ND	ND		<div style="width: 0%;"></div>					
FENCHONE	ND	ND		<div style="width: 0%;"></div>					
GERANIOL	ND	ND		<div style="width: 0%;"></div>					
GERANYL ACETATE	ND	ND		<div style="width: 0%;"></div>					
GUAJOL	ND	ND		<div style="width: 0%;"></div>					
ISOBORNEOL	ND	ND		<div style="width: 0%;"></div>					
ISOPULEGOL	ND	ND		<div style="width: 0%;"></div>					
MENTHOL	ND	ND		<div style="width: 0%;"></div>					
NEROL	ND	ND		<div style="width: 0%;"></div>					
PULEGONE	ND	ND		<div style="width: 0%;"></div>					
SABINENE	ND	ND		<div style="width: 0%;"></div>					
SABINENE HYDRATE	ND	ND		<div style="width: 0%;"></div>					
TERPINOLENE	ND	ND		<div style="width: 0%;"></div>					
VALENCENE	ND	ND		<div style="width: 0%;"></div>					
Total (%)		1.8570		<div style="width: 100%;"></div>					



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Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
AVERMECTINS (ABAMECTIN B1A)	0.0170	ppm	0.5	PASS	ND	TOTAL SPINOSAD	0.0060	ppm	0.2	PASS	ND
ACEPHATE	0.0100	ppm	0.4	PASS	ND	SPIROMESIFEN	0.0080	ppm	0.2	PASS	ND
ACETAMIPRID	0.0050	ppm	0.2	PASS	ND	SPIROTETRAMAT	0.0060	ppm	0.2	PASS	ND
ALDICARB	0.0140	ppm	0.4	PASS	ND	SPIROXAMINE	0.0040	ppm	0.4	PASS	ND
AZOXYSTROBIN	0.0050	ppm	0.2	PASS	ND	TEBUCONAZOLE	0.0040	ppm	0.4	PASS	ND
BIFENAZATE	0.0060	ppm	0.2	PASS	ND	THIACLOPRID	0.0060	ppm	0.2	PASS	ND
BIFENTHRIN	0.0050	ppm	0.2	PASS	ND	THIAMETHOXAM	0.0060	ppm	0.2	PASS	ND
BOSCALID	0.0050	ppm	0.4	PASS	ND	TRIFLOXYSTROBIN	0.0060	ppm	0.2	PASS	ND
CARBARYL	0.0080	ppm	0.2	PASS	ND	CHLORFENAPYR *	0.0270	ppm	1	PASS	ND
CARBOFURAN	0.0050	ppm	0.2	PASS	ND	CYFLUTHRIN *	0.0150	ppm	1	PASS	ND
CHLORANTRANILIPROLE	0.0110	ppm	0.2	PASS	ND	Analyzed by: 152, 272, 333 Weight: 0.4994g Extraction date: 09/09/24 14:34:30 Extracted by: 410 Analysis Method : SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.104.AZ Analytical Batch : TE005770PES Instrument Used : TE-118 *MS/MS Pest/Myco 1*, TE-261 *UHPLC - Pest/Myco 2* Analyzed Date : 09/09/24 16:38:19 Reviewed On : 09/10/24 15:00:27 Batch Date : 09/09/24 11:15:50					
CHLORPYRIFOS	0.0050	ppm	0.2	PASS	ND	Dilution : 25 Reagent : 082724.R35; 090524.R14; 090524.R21; 073024.R30; 090324.R12; 090624.R02; 081424.R31; 090324.R13; 041823.06 Consumables : 947.155; 8000038072; 111423CH01; 220318-306-D; 1008645998; GD23001; 425240JF Pipette : TE-060 SN:20C35457 (20-200uL); TE-108 SN:20B18337 (100-1000uL)					
CLOFENTZINE	0.0100	ppm	0.2	PASS	ND	Analyzed by: 152, 272, 333 Weight: 0.4994g Extraction date: 09/09/24 14:34:30 Extracted by: 410 Analysis Method : SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.154.AZ Analytical Batch : TE005780VOL Instrument Used : TE-118 *MS/MS Pest/Myco 1*, TE-261 *UHPLC - Pest/Myco 2* Analyzed Date : 09/09/24 16:39:17 Reviewed On : 09/10/24 15:07:26 Batch Date : 09/09/24 16:11:54					
CYPERMETHRIN	0.1000	ppm	1	PASS	ND	Dilution : 25 Reagent : 082724.R35; 090524.R14; 090524.R21; 073024.R30; 090324.R12; 090624.R02; 081424.R31; 090324.R13; 041823.06 Consumables : 947.155; 8000038072; 111423CH01; 220318-306-D; 1008645998; GD23001; 425240JF Pipette : TE-060 SN:20C35457 (20-200uL); TE-108 SN:20B18337 (100-1000uL)					
DIAZINON	0.0060	ppm	0.2	PASS	ND	Supplemental pesticide screening using GC-MS/MS to quantitatively screen for Chlorfenapyr, Cyfluthrin, Cypermethrin, and Diazinon; as well as the qualitative confirmation of Dichlorvos, Permethrins, Piperonyl Butoxide, Prallethrin, Propiconazole, Pyrethrins, and Tebuconazole which are all quantitatively screened using LC-MS/MS. (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.104.AZ for sample prep, and SOP.T.40.104.AZ for analysis on ThermoScientific Altis TSQ with Vanquish UHPLC). For analysis using a ThermoScientific 1310-series GC equipped with a TriPlus RSH autosampler and detected on a TSQ 9000-series mass spectrometer.					
DAMINOZIDE	0.0100	ppm	1	PASS	ND						
DICHLORVOS (DDVP)	0.0010	ppm	0.1	PASS	ND						
DIMETHOATE	0.0060	ppm	0.2	PASS	ND						
ETHOPROPHOS	0.0040	ppm	0.2	PASS	ND						
ETOFENPROX	0.0060	ppm	0.4	PASS	ND						
ETOXAZOLE	0.0040	ppm	0.2	PASS	ND						
FENOXICARB	0.0050	ppm	0.2	PASS	ND						
FENPYROXIMATE	0.0040	ppm	0.4	PASS	ND						
FIPRONIL	0.0060	ppm	0.4	PASS	ND						
FLONICAMID	0.0090	ppm	1	PASS	ND						
FLUDIOXONIL	0.0060	ppm	0.4	PASS	ND						
HEXYTHIAZOX	0.0050	ppm	1	PASS	ND						
IMAZALIL	0.0110	ppm	0.2	PASS	ND						
IMIDACLOPRID	0.0080	ppm	0.4	PASS	ND						
KRESOXIM-METHYL	0.0070	ppm	0.4	PASS	ND						
MALATHION	0.0070	ppm	0.2	PASS	ND						
METALAXYL	0.0040	ppm	0.2	PASS	ND						
METHIOCARB	0.0040	ppm	0.2	PASS	ND						
METHOMYL	0.0050	ppm	0.4	PASS	ND						
MYCLOBUTANIL	0.0100	ppm	0.2	PASS	ND						
NALED	0.0070	ppm	0.5	PASS	ND						
OXAMYL	0.0080	ppm	1	PASS	ND						
PACLOBUTRAZOL	0.0050	ppm	0.4	PASS	ND						
TOTAL PERMETHRINS	0.0030	ppm	0.2	PASS	ND						
PHOSMET	0.0100	ppm	0.2	PASS	ND						
PIPERONYL BUTOXIDE	0.0050	ppm	2	PASS	ND						
PRALLETHRIN	0.0130	ppm	0.2	PASS	ND						
PROPICONAZOLE	0.0050	ppm	0.4	PASS	ND						
PROPOXUR	0.0050	ppm	0.2	PASS	ND						
TOTAL PYRETHRINS	0.0010	ppm	1	PASS	ND						
PYRIDABEN	0.0040	ppm	0.2	PASS	ND						

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Ariel Gonzales

Lab Director

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0000024LCMD66604568
ISO 17025 Accreditation # 97164

Signature
09/10/24



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
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 Microbial PASSED						 Mycotoxins PASSED					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
SALMONELLA SPP			Not Present in 1g	PASS		TOTAL AFLATOXINS	1.4870	ppb	ND	PASS	20
ASPERGILLUS FLAVUS			Not Present in 1g	PASS		AFLATOXIN B1	1.4700	ppb	ND	PASS	20
ASPERGILLUS FUMIGATUS			Not Present in 1g	PASS		AFLATOXIN B2	1.8000	ppb	ND	PASS	20
ASPERGILLUS NIGER			Not Present in 1g	PASS		AFLATOXIN G1	1.9000	ppb	ND	PASS	20
ASPERGILLUS TERREUS			Not Present in 1g	PASS		AFLATOXIN G2	3.2500	ppb	ND	PASS	20
ESCHERICHIA COLI REC	10.0000	CFU/g	<10	PASS	100	OCHRATOXIN A	4.6100	ppb	ND	PASS	20
Analyzed by: 331, 272, 333	Weight: 1.0693g	Extraction date: 09/10/24 10:41:37	Extracted by: 331			Analyzed by: 152, 272, 333	Weight: 0.4994g	Extraction date: 09/09/24 14:34:30	Extracted by: 410		
Analysis Method : SOP.T.40.056B, SOP.T.40.058.FL, SOP.T.40.208, SOP.T.40.209.AZ Analytical Batch : TE005767MIC Reviewed On : 09/10/24 16:44:00 Instrument Used : TE-234 "bioMerieux GENE-UP" Batch Date : 09/06/24 17:01:12 Analyzed Date : N/A						Analysis Method : SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.104.AZ Analytical Batch : TE005779MYC Reviewed On : 09/10/24 15:05:41 Instrument Used : N/A Batch Date : 09/09/24 16:11:02 Analyzed Date : 09/09/24 16:38:42					
Dilution : 10 Reagent : N/A Consumables : N/A Pipette : N/A						Dilution : 25 Reagent : 082724.R35; 090524.R14; 090524.R21; 073024.R30; 090324.R12; 090624.R02; 081424.R31; 090324.R13; 041823.06 Consumables : 947.155; 8000038072; 111423CH01; 220318-306-D; 1008645998; GD23001; 425240JF Pipette : TE-060 SN:20C35457 (20-200uL); TE-108 SN:20B18337 (100-1000uL)					

Aflatoxins B1, B2, G1, G2, and Ochratoxin A analysis using LC-MS/MS. (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.104.AZ for sample prep, and SOP.T.40.104.AZ for analysis on ThermoScientific Altis TSO with Vanquish UHPLC). Total Aflatoxins (sum of Aflatoxins B1, B2, G1, G2) must be <20µg/kg. Ochratoxin must be <20µg/kg.

 Heavy Metals PASSED	
Metal	LOD Units Result Pass / Fail Action Level
ARSENIC	0.0030 ppm ND PASS 0.4
CADMIUM	0.0020 ppm ND PASS 0.4
LEAD	0.0010 ppm ND PASS 1
MERCURY	0.0125 ppm ND PASS 0.2
Analyzed by: 398, 39, 272, 333	Weight: 0.195g Extraction date: 09/09/24 17:45:19 Extracted by: 398
Analysis Method : SOP.T.30.500, SOP.T.30.084.AZ, SOP.T.40.084.AZ Analytical Batch : TE005775HEA Reviewed On : 09/10/24 09:13:59 Instrument Used : TE-307 "Ted", TE-310 "Ted AS", TE-309 "Ted Pump" Batch Date : 09/09/24 14:35:37 Analyzed Date : N/A	
Dilution : 50 Reagent : 101723.14; 090324.R03; 090324.R01; 032724.07; 090624.01; 090922.04 Consumables : 111423CH01; 210705-306-D; 210725-598-D Pipette : TE-063 SN:20C50490 (20-200uL); TE-110 SN:20B18338 (100-1000uL)	

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals. (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.084.AZ for sample prep by microwave digestion, and SOP.T.40.084.AZ for analysis by ThermoScientific iCAP RQ ICP-MS).





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Kaycha Labs

.....
 GAST240516
 Gastopia
 Matrix : Flower
 Type: Cannabis Flower



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COMMENTS

* Confident Cannabis sample ID: 2409KLAZ0600.2511



* Cannabinoid TE40906002-027POT

1 - M3:D9-THC V1:D8-THC, THCa

* Volatile Pesticides TE40906002-027VOL

1 - M2: Chlorfenapyr.

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Matrix : Flower
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COMMENTS

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