

Certificate of Analysis

Laboratory Sample ID: TE40906002-027



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

Kaycha Labs

GAST240516 Gastopia



Matrix: Flower Classification: Hybrid Type: Cannabis Flower

> 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

PASSED

Pages 1 of 6

SAFETY RESULTS







Heavy Metals PASSED



Microbials **PASSED**



PASSED



Solvents **NOT TESTED**



NOT TESTED



Water Activity **NOT TESTED**



Moisture **NOT TESTED**

MISC.



Terpenes **TESTED**

PASSED



Cannabinoid

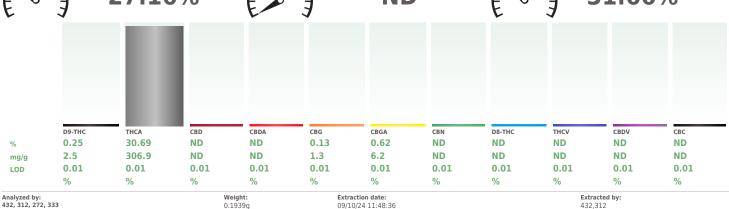
Total THC 27.16%



Total CBD



Total Cannabinoids .66%



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

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

Reviewed On: 09/10/24 15:19:47 Batch Date: 09/09/24 12:17:47

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 # 00000024LCMD66604568 ISO 17025 Accreditation # 97164





GAST240516

Gastopia Matrix: Flower Type: Cannabis Flower



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Completed: 09/10/24 Expires: 09/10/25

Sample Method: SOP Client Method

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Terpenes

TESTED

Terpenes	LOD n (%)	ng/g	%	Result (%)	Те	rpenes		LOD (%)	mg/g	%	Result (%)
TOTAL TERPENES	1	8.578	1.8578		ALI	PHA-BISABOLOL			ND	ND	
LIMONENE	6	.031	0.6031		ALI	PHA-CEDRENE			ND	ND	
BETA-CARYOPHYLLENE	3	.013	0.3013		ALI	PHA-PHELLANDRENI	E		ND	ND	
BETA-MYRCENE	1	.809	0.1809		ALI	PHA-TERPINENE			ND	ND	
OCIMENE	1	.563	0.1563		CIS	-NEROLIDOL			ND	ND	
ALPHA-PINENE	1	.455	0.1455		GA	MMA-TERPINENE			ND	ND	
LINALOOL	1	.449	0.1449		GA	MMA-TERPINEOL			ND	ND	
ALPHA-HUMULENE	1	.249	0.1249		TRA	ANS-NEROLIDOL			ND	ND	
BETA-PINENE	1	.212	0.1212		Anal	yzed by:	Weight:	Ext	traction	date:	Extracted by:
FENCHYL ALCOHOL	0	.443	0.0443			272, 333	0.2377g	09	/09/24 1	5:05:17	334
ALPHA-TERPINEOL	0	.354	0.0354			ysis Method : SOP.T.3		30.064	SOP.T.4		
3-CARENE	N	ID	ND			ytical Batch : TE0057 rument Used : TE-096		11			wed On: 09/10/24 18:56:50 Date: 09/09/24 11:20:29
BORNEOL	N	ID	ND			vzed Date : 09/09/24		25 1"		Batch	Date: 09/09/24 11:20:29
CAMPHENE	N	ID	ND		Dilut	ion:5					
CAMPHOR	N	ID	ND			jent : N/A					
CARYOPHYLLENE OXIDE	N	ID	ND			sumables : N/A					
CEDROL	N	ID	ND			tte: N/A					
EUCALYPTOL	N	ID	ND								single digit ppm concentrations. (Methods: p, and SOP.T.40.064 for analysis via
FENCHONE	N	ID	ND		Then	moScientific 1310-series	GC equipped w	ith an Al	1310-ser	ies liquid	injection autosampler and detection carri-
GERANIOL	N	ID	ND								ed on a wt/wt% basis. Testing result is for esting reguirements in R9-17-317.01(A) or
GERANYL ACETATE	N	ID	ND			ing requirements in R9-: B-311(A) or labeling reg				sfy márij	uana establishment testing requirements i
GUAIOL	N	ID	ND		K9-10	b-SII(A) or labelling req	uli ellielits III K9-	10-310 -	- Q3.		
ISOBORNEOL	N	ID	ND								
ISOPULEGOL	N	ID	ND								
MENTHOL	N	ID	ND								
NEROL	N	ID	ND								
PULEGONE	N	ID	ND								
SABINENE	N	ID	ND								
SABINENE HYDRATE	N	ID	ND								
TERPINOLENE	N	ID	ND								
VALENCENE	N.	ID	ND								

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Kaycha Labs

GAST240516 Gastopia

Matrix: Flower

Type: Cannabis Flower

Certificate of Analysis

PASSED

2239 N Black Canyon Hwy Phoenix, AZ, 85009, US Telephone: (530) 514-0500 Email: adam@proiectpacks.co **License # :** 00000084ESFH12297246 Sample : TE40906002-027 Batch#:GAST240516 Sampled: 09/06/24 Ordered: 09/06/24

Sample Size Received: 23.47 gram Total Amount: 7 gram
Completed: 09/10/24 Expires: 09/10/25 Sample Method: SOP Client Method

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Pesticides

|--|--|

_					
Pesticide AVERMECTINS (ABAMECTIN B1A)	LOD 0.0170	Units ppm	Action Level	Pass/Fail	Re:
ACEPHATE	0.0100	ppm	0.4	PASS	ND
ACETAMIPRID	0.0050	ppm	0.2	PASS	ND
ALDICARB	0.0140	ppm	0.4	PASS	ND
AZOXYSTROBIN	0.0050	ppm	0.2	PASS	ND
BIFENAZATE	0.0060	ppm	0.2	PASS	ND
BIFENTHRIN	0.0050	ppm	0.2	PASS	ND
BOSCALID	0.0050	ppm	0.4	PASS	ND
CARBARYL	0.0080	ppm	0.2	PASS	ND
CARBOFURAN	0.0050	ppm	0.2	PASS	ND
CHLORANTRANILIPROLE	0.0110	ppm	0.2	PASS	ND
CHLORPYRIFOS	0.0050	ppm	0.2	PASS	ND
CLOFENTEZINE	0.0100	ppm	0.2	PASS	ND
CYPERMETHRIN	0.1000	ppm	1	PASS	ND
DIAZINON	0.0060	ppm	0.2	PASS	ND
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
FENOXYCARB	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

Pesticide		LOD	Units	Action Level	Pass/Fail	Result
TOTAL SPINOSAD		0.0060	ppm	0.2	PASS	ND
SPIROMESIFEN		0.0080	ppm	0.2	PASS	ND
SPIROTETRAMAT SPIROXAMINE		0.0060	ppm ppm	0.2	PASS PASS	ND ND
		0.0040		0.4		
TEBUCONAZOLE		0.0040	ppm	0.4	PASS	ND
THIACLOPRID		0.0060	ppm	0.2	PASS	ND
THIAMETHOXAM		0.0060	ppm	0.2	PASS	ND
TRIFLOXYSTROBIN		0.0060	ppm	0.2	PASS	ND
CHLORFENAPYR *		0.0270	ppm	1	PASS	ND
CYFLUTHRIN *		0.0150	ppm	1	PASS	ND
Analyzed by: 152, 272, 333	Weight: 0.4994g	09/09/24 1			Extracted 410	l by:
Analytical Batch: TE00577	MS/MS Pest/Myco 1",TE-261		2"		0n:09/10/24 15:09/09/24 11:1	

Pipette: TE-060 SN:20C35457 (20-200uL); TE-108 SN:20B18337 (100-1000uL)

 Fuptors: 11:-000 Nn:20235457 (20-200uL); TE-108 SN:20B18337 (100-1000uL)

 Pesticides creening is carried out using LCMSMIS supplemented by C.G. MSMIS for volatile pesticides. (Methods: SOP.T.30.500 for sample homogenication, SOP.T.30.104.AZ for sample prep, and SOP.T.40.104.AZ for analysis on ThermoScientific Altis TSQ with Vanquish UHPLC).

 Analyzed by:
 Weight:
 Extraction date:
 Extraction date:

 152, 272, 333
 0.49940
 09/09/24 14:34:30
 410

 Analysis Method: SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.154.AZ
 Reviewed On: 09/10/24 15:07:26

 Analysis Method: SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.154.AZ
 Reviewed On: 09/10/24 15:07:26

 Analyzed Date: 09/09/24 16:39:17
 Batch Date: 09/09/24 16:39:17

 Dilution: 25
 Batch Date: 09/09/24 16:39:17

Analyzed Date 1:09/10/14/16:29:17
Dilution: 25
Reagent: 082724.835; 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: 1Te-060 SN:20033457 (20-2000L); TE-108 SN:20B18337 (100-10000L)
Supplemental pesticide screening using GC-MS/MS to quantitatively screen for Chiofenapyr, Cyfluthrin, Cypermethrin, and Diazinor; as well as the qualitative confirmation of Dichlorvos, Permethrins, Piperonyl Butoxide, Prailethrin, Propiconazole, Pyrethrins, and Tebuconazole which are all quantitatively screened using LC-MS/MS (Methods: S0-T-30.500 for sample homogenization, SOPT-31.01-01A-27 for sample prep, and SOP.T40.154.AZ for analysis using a ThermoScietific 1310-series GC equipped with a TirPlus RSH autosampler and detected on a TSQ 9000-series mass spectrometer).

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Sample Method: SOP Client Method

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Microbial



Mycotoxins



Analyte		LOD	Units	Result	Pass / Fail	Action Level
SALMONELLA SPP				Not Present in 1g	PASS	
ASPERGILLUS FLAVU	S			Not Present in 1g	PASS	
ASPERGILLUS FUMIG	ATUS			Not Present in 1g	PASS	
ASPERGILLUS NIGER				Not Present in 1g	PASS	
ASPERGILLUS TERRE	US			Not Present in 1g	PASS	
ASPERGILLUS TERREUS ESCHERICHIA COLI REC		10.0000	CFU/g	<10	PASS	100
Analyzed by: 331, 272, 333	Weight:		ion date:		xtracted	by:
331, 272, 333	1.0693a	09/10/2	24 10:41:	.57) J T	

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

Dilution: 10 Reagent: N/A

Consumables : N/A Pipette: N/A

Analyte	LOD	Units	Result	Pass / Fail	Action Level
TOTAL AFLATOXINS	1.4870	ppb	ND	PASS	20
AFLATOXIN B1	1.4700	ppb	ND	PASS	20
AFLATOXIN B2	1.8000	ppb	ND	PASS	20
AFLATOXIN G1	1.9000	ppb	ND	PASS	20
AFLATOXIN G2	3.2500	ppb	ND	PASS	20
OCHRATOXIN A	4.6100	ppb	ND	PASS	20

Extraction date

Weight: 0.4994g Extracted by: 09/09/24 14:34:30 Analysis Method : SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.104.AZ

Reviewed On: 09/10/24 15:05:41 Analytical Batch: TE005779MYC Instrument Used : N/A **Batch Date :** 09/09/24 16:11:02 **Analyzed Date:** 09/09/24 16:38:42

Dilution: 25

Reagent: 082724.R35; 090524.R14; 090524.R21; 073024.R30; 090324.R12; 090624.R02;

425240IF

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 TSQ with Vanquish UHPLC). Total Aflatoxins (sum of Aflotoxins B1, B2, G1, G2) must be <20 μ g/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				Extracte 398	d by:

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 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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GAST240516 Gastopia Matrix : Flower



Type: Cannabis Flower

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Sample Method: SOP Client Method

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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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GAST240516 Gastopia Matrix: Flower



Type: Cannabis Flower

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