



# Certificate of Analysis

Laboratory Sample ID: TE50114003-014



**Production Method:** Indoor  
**Harvest/Lot ID:** GAST241016  
**Batch#:** GAST241016  
**Harvest Date:** 01/02/25  
**Sample Size Received:** 20.20 gram  
**Total Amount:** 7 gram  
**Retail Product Size:** 10 gram  
**Retail Serving Size:** 10 gram  
**Servings:** 1  
**Ordered:** 01/13/25  
**Sampled:** 01/14/25  
**Sample Collection Time:** 08:15 AM  
**Completed:** 01/16/25


Jan 16, 2025 | Project Packs  
 License # 00000084ESFH12297246  
 2239 N Black Canyon Hwy  
 Phoenix, AZ, 85009, US

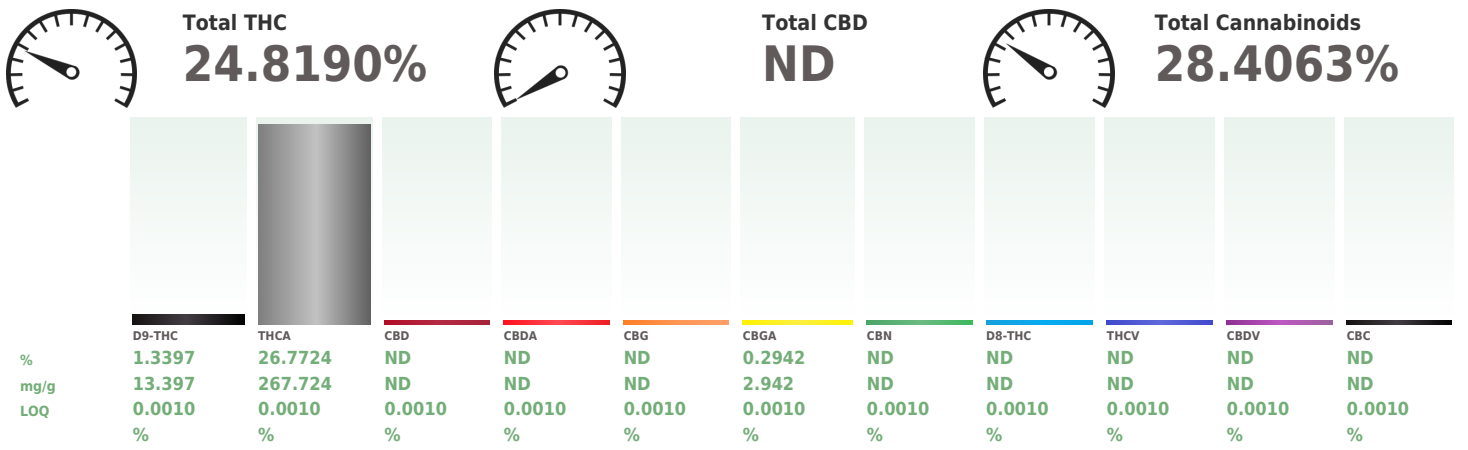
**PASSED**

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**SAFETY RESULTS**

								
Pesticides <b>PASSED</b>	Heavy Metals <b>PASSED</b>	Microbials <b>PASSED</b>	Mycotoxins <b>PASSED</b>	Residuals Solvents <b>NOT TESTED</b>	Filtration <b>NOT TESTED</b>	Water Activity <b>NOT TESTED</b>	Moisture <b>NOT TESTED</b>	Miscellaneous <b>PASSED</b>

 **Cannabinoid** **PASSED**



Analyzed by: 312, 359, 272, 399      Weight: 0.1944g      Extraction date: 01/15/25 11:32:33      Extracted by: 333,312

Analysis Method : SOP.T.30.500, SOP.T.30.031, SOP.T.40.031  
 Analytical Batch : TE007269POT  
 Instrument Used : TE-004 "Duke Leto" (Flower)  
 Analyzed Date : 01/16/25 19:28:28      Batch Date : 01/14/25 14:51:06

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  
 01/16/25



# Certificate of Analysis

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**Project Packs**

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

Sample : TE50114003-014  
Harvest/Lot ID: GAST241016

Batch#: GAST241016  
Sampled : 01/14/25  
Ordered : 01/14/25

Sample Size Received : 20.20 gram  
Total Amount : 7 gram  
Completed : 01/16/25 Expires: 01/16/26  
Sample Method : SOP Client Method

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## Terpenes

**PASSED**

Terpenes	LOQ (%)	mg/g	%	Result (%)	Terpenes	LOQ (%)	mg/g	%	Result (%)			
TOTAL TERPENES	0.0020	10.910	1.0910		ALPHA-PINENE	0.0020	ND	ND				
BETA-MYRCENE	0.0020	3.969	0.3969		ALPHA-TERPINENE	0.0020	ND	ND				
BETA-CARYOPHYLLENE	0.0020	2.874	0.2874		ALPHA-TERPINEOL	0.0020	ND	ND				
LIMONENE	0.0020	2.390	0.2390		BETA-PINENE	0.0020	ND	ND				
LINALOOL	0.0020	0.910	0.0910		CIS-NEROLIDOL	0.0020	ND	ND				
ALPHA-HUMULENE	0.0020	0.767	0.0767		GAMMA-TERPINENE	0.0020	ND	ND				
3-CARENE	0.0020	ND	ND		GAMMA-TERPINEOL	0.0020	ND	ND				
BORNEOL	0.0020	ND	ND		TRANS-NEROLIDOL	0.0020	ND	ND				
CAMPHENE	0.0020	ND	ND									
CAMPHOR	0.0020	ND	ND		Analized by:	334, 272, 399	Weight:	0.2525g	Extraction date:	01/14/25 15:10:22	Extracted by:	334
CARYOPHYLLENE OXIDE	0.0020	ND	ND		Analysis Method :	SOP.T.30.500, SOP.T.30.064, SOP.T.40.064						
CEDROL	0.0020	ND	ND		Analytical Batch :	TE007263TER						
EUCALYPTOL	0.0020	ND	ND		Instrument Used :	TE-096 "MS - Terpenes 1",TE-097 "AS - Terpenes 1",TE-093 "GC - Terpenes 1"						
FENCHONE	0.0020	ND	ND		Analized Date :	01/16/25 17:43:53						
FENCHYL ALCOHOL	0.0020	ND	ND		Dilution :	N/A						
GERANIOL	0.0020	ND	ND		Reagent :	101723.24; 071924.01						
GERANYL ACETATE	0.0020	ND	ND		Consumables :	947.110; H109203-1; 8000038072; 20240202; 1; GD23006; 04304030; 0000185478						
GUAJOL	0.0020	ND	ND		Pipette :	N/A						
ISOBORNEOL	0.0020	ND	ND		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 ISO 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.							
ISOPULEGOL	0.0020	ND	ND									
MENTHOL	0.0020	ND	ND									
NEROL	0.0020	ND	ND									
OCIMENE	0.0020	ND	ND									
PULEGONE	0.0020	ND	ND									
SABINENE	0.0020	ND	ND									
SABINENE HYDRATE	0.0020	ND	ND									
TERPINOLENE	0.0020	ND	ND									
VALENCENE	0.0020	ND	ND									
ALPHA-BISABOLOL	0.0020	ND	ND									
ALPHA-CEDRENE	0.0020	ND	ND									
ALPHA-PHELLANDRENE	0.0020	ND	ND									
<b>Total (%)</b>			<b>1.0910</b>									



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Sample Method : SOP Client Method

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## Pesticides

PASSED

Pesticide	LOQ	Units	Action Level	Pass/Fail	Result	Pesticide	LOQ	Units	Action Level	Pass/Fail	Result
AVERMECTINS (ABAMECTIN B1A)	0.2500	ppm	0.5	PASS	ND	TOTAL SPINOSAD	0.1000	ppm	0.2	PASS	ND
ACEPHATE	0.2000	ppm	0.4	PASS	ND	SPIROMESIFEN	0.1000	ppm	0.2	PASS	ND
ACETAMIPRID	0.1000	ppm	0.2	PASS	ND	SPIROTETRAMAT	0.1000	ppm	0.2	PASS	ND
ALDICARB	0.2000	ppm	0.4	PASS	ND	SPIROXAMINE	0.2000	ppm	0.4	PASS	ND
AZOXYSTROBIN	0.1000	ppm	0.2	PASS	ND	TEBUCONAZOLE	0.2000	ppm	0.4	PASS	ND
BIFENAZATE	0.1000	ppm	0.2	PASS	ND	THIACLOPRID	0.1000	ppm	0.2	PASS	ND
BIFENTHRIN	0.1000	ppm	0.2	PASS	ND	THIAMETHOXAM	0.1000	ppm	0.2	PASS	ND
BOSCALID	0.2000	ppm	0.4	PASS	ND	TRIFLOXYSTROBIN	0.1000	ppm	0.2	PASS	ND
CARBARYL	0.1000	ppm	0.2	PASS	ND	CHLORFENAPYR *	0.3000	ppm	1	PASS	ND
CARBOFURAN	0.1000	ppm	0.2	PASS	ND	CYFLUTHRIN *	0.5000	ppm	1	PASS	ND
CHLORANTRANILIPROLE	0.1000	ppm	0.2	PASS	ND	<b>Analyzed by:</b> 410, 152, 272, 399 <b>Weight:</b> 0.4979g <b>Extraction date:</b> 01/14/25 16:50:25 <b>Extracted by:</b> 410 <b>Analysis Method :</b> SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.104.AZ <b>Analytical Batch :</b> TE007261PES <b>Instrument Used :</b> TE-262 *MS/MS - Pest/Myco 2*, TE-117 UHPLC - Pest/Myco 2 <b>Batch Date :</b> 01/14/25 09:34:10 <b>Analyzed Date :</b> 01/16/25 18:35:53 <b>Dilution :</b> 25 <b>Reagent :</b> 010825.R13; 011325.R31; 011325.R32; 121024.R09; 010825.R04; 011325.R14; 010825.R05; 041823.06 <b>Consumables :</b> 947.110; 8000038072; 052024CH01; 220318-306-D; 1008645998; GD23006; 426060-JG <b>Pipette :</b> TE-062 SN:20C50491; TE-064 SN:20B27672 (100-1000uL) Pesticide screening is carried out using LC-MS/MS supplemented by GC-MS/MS for volatile pesticides. (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).					
CHLORPYRIFOS	0.1000	ppm	0.2	PASS	ND	<b>Analyzed by:</b> 410, 152, 272, 399 <b>Weight:</b> 0.4979g <b>Extraction date:</b> 01/14/25 16:50:25 <b>Extracted by:</b> 410 <b>Analysis Method :</b> SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.154.AZ <b>Analytical Batch :</b> TE007278VOL <b>Instrument Used :</b> TE-117 UHPLC - Pest/Myco 2, TE-262 *MS/MS - Pest/Myco 2 <b>Batch Date :</b> 01/15/25 10:14:18 <b>Analyzed Date :</b> 01/16/25 18:31:21 <b>Dilution :</b> 25 <b>Reagent :</b> 010825.R13; 011325.R31; 011325.R32; 121024.R09; 010825.R04; 011325.R14; 010825.R05; 041823.06 <b>Consumables :</b> 947.110; 8000038072; 052024CH01; 220318-306-D; 1008645998; GD23006; 426060-JG <b>Pipette :</b> TE-062 SN:20C50491; TE-064 SN:20B27672 (100-1000uL) 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.40.154.AZ for analysis using a ThermoScientific 1310-series GC equipped with a TriPlus RSH autosampler and detected on a TSQ 9000-series mass spectrometer).					
CLOFENTZINE	0.1000	ppm	0.2	PASS	ND						
CYPERMETHRIN	0.5000	ppm	1	PASS	ND						
DIAZINON	0.1000	ppm	0.2	PASS	ND						
DAMINOZIDE	0.5000	ppm	1	PASS	ND						
DICHLORVOS (DDVP)	0.0500	ppm	0.1	PASS	ND						
DIMETHOATE	0.1000	ppm	0.2	PASS	ND						
ETHOPROPHOS	0.1000	ppm	0.2	PASS	ND						
ETOFENPROX	0.2000	ppm	0.4	PASS	ND						
ETOXAZOLE	0.1000	ppm	0.2	PASS	ND						
FENOXICARB	0.1000	ppm	0.2	PASS	ND						
FENPYROXIMATE	0.2000	ppm	0.4	PASS	ND						
FIPRONIL	0.2000	ppm	0.4	PASS	ND						
FLONICAMID	0.5000	ppm	1	PASS	ND						
FLUDIOXONIL	0.2000	ppm	0.4	PASS	ND						
HEXTHIAZOX	0.5000	ppm	1	PASS	ND						
IMAZALIL	0.1000	ppm	0.2	PASS	ND						
IMIDACLOPRID	0.2000	ppm	0.4	PASS	ND						
KRESOXIM-METHYL	0.2000	ppm	0.4	PASS	ND						
MALATHION	0.1000	ppm	0.2	PASS	ND						
METALAXYL	0.1000	ppm	0.2	PASS	ND						
METHIOCARB	0.1000	ppm	0.2	PASS	ND						
METHOMYL	0.2000	ppm	0.4	PASS	ND						
MYCLOBUTANIL	0.1000	ppm	0.2	PASS	ND						
NALED	0.2500	ppm	0.5	PASS	ND						
OXAMYL	0.5000	ppm	1	PASS	ND						
PACLOBUTRAZOL	0.2000	ppm	0.4	PASS	ND						
TOTAL PERMETHRINS	0.1000	ppm	0.2	PASS	ND						
PHOSMET	0.1000	ppm	0.2	PASS	ND						
PIPERONYL BUTOXIDE	1.0000	ppm	2	PASS	ND						
PRALLETHRIN	0.1000	ppm	0.2	PASS	ND						
PROPICONAZOLE	0.2000	ppm	0.4	PASS	ND						
PROPOXUR	0.1000	ppm	0.2	PASS	ND						
TOTAL PYRETHRINS	0.5000	ppm	1	PASS	ND						
PYRIDABEN	0.1000	ppm	0.2	PASS	ND						

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**Ariel Gonzales**  
Lab Director

State License #  
0000024LCMD66604568  
ISO 17025 Accreditation # 97164



Signature  
01/16/25



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**PASSED**



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License # : 0000084ESFH12297246

Sample : TE50114003-014  
Harvest/Lot ID: GAST241016

Batch# : GAST241016      Sample Size Received : 20.20 gram  
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Ordered : 01/14/25      Completed : 01/16/25 Expires: 01/16/26  
Sample Method : SOP Client Method

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 <b>Microbial</b> <span style="float: right;"><b>PASSED</b></span>						 <b>Mycotoxins</b> <span style="float: right;"><b>PASSED</b></span>					
Analyte	LOQ	Units	Result	Pass / Fail	Action Level	Analyte	LOQ	Units	Result	Pass / Fail	Action Level
SALMONELLA SPP	0.0000		Not Present in 1g	PASS		TOTAL AFLATOXINS	4.8510	ppb	ND	PASS	20
ASPERGILLUS FLAVUS	0.0000		Not Present in 1g	PASS		AFLATOXIN B1	4.8510	ppb	ND	PASS	20
ASPERGILLUS FUMIGATUS	0.0000		Not Present in 1g	PASS		AFLATOXIN B2	5.9400	ppb	ND	PASS	20
ASPERGILLUS NIGER	0.0000		Not Present in 1g	PASS		AFLATOXIN G1	6.2700	ppb	ND	PASS	20
ASPERGILLUS TERREUS	0.0000		Not Present in 1g	PASS		AFLATOXIN G2	10.7250	ppb	ND	PASS	20
ESCHERICHIA COLI REC	10.0000	CFU/g	<10	PASS	100	OCHRATOXIN A	12.0000	ppb	ND	PASS	20
<b>Analyzed by:</b> 87, 272, 399	<b>Weight:</b> 0.9982g	<b>Extraction date:</b> 01/16/25 12:42:10		<b>Extracted by:</b> 87		<b>Analyzed by:</b> 410, 152, 272, 399	<b>Weight:</b> 0.4979g	<b>Extraction date:</b> 01/14/25 16:50:25		<b>Extracted by:</b> 410	
<b>Analysis Method :</b> SOP.T.40.056B, SOP.T.40.058.FL, SOP.T.40.208, SOP.T.40.209.AZ <b>Analytical Batch :</b> TE007271MIC <b>Instrument Used :</b> TE-234 "bioMerieux GENE-UP" <b>Batch Date :</b> 01/14/25 16:24:36 <b>Analyzed Date :</b> 01/16/25 18:44:38 <b>Dilution :</b> 10 <b>Reagent :</b> 120924.26; 120924.27; 120524.07; 080124.41; 102924.71; 092424.34; 010925.41; 010925.44; 121924.38; 121924.40 <b>Consumables :</b> N/A <b>Pipette :</b> TE-053 SN:20E78952; TE-061 SN:20C35454; TE-062 SN:20C50491; TE-066 SN:20D56970; TE-069 SN:21B23920; TE-109 SN:20B18330; TE-256 Dispensette S Bottle Top Dispenser SN:20G36073; TE-258						<b>Analysis Method :</b> SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.104.AZ <b>Analytical Batch :</b> TE007279MYC <b>Instrument Used :</b> TE-262 "MS/MS - Pest/Myco 2,TE-117 UHPLC - Batch Date : 01/15/25 10:15:22 Pest/Myco 2 <b>Analyzed Date :</b> 01/16/25 18:32:38 <b>Dilution :</b> 25 <b>Reagent :</b> 010825.R13; 011325.R31; 011325.R32; 121024.R09; 010825.R04; 011325.R14; 010825.R05; 041823.06 <b>Consumables :</b> 947.110; 8000038072; 052024CH01; 220318-306-D; 1008645998; GD23006; 426060-JG <b>Pipette :</b> TE-062 SN:20C50491; TE-064 SN:20B27672 (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 Aflatoxins B1, B2, G1, G2) must be <20µg/kg. Ochratoxin must be <20µg/kg.

 <b>Heavy Metals</b> <span style="float: right;"><b>PASSED</b></span>					
Metal	LOQ	Units	Result	Pass / Fail	Action Level
ARSENIC	0.2000	ppm	ND	PASS	0.4
CADMIUM	0.2000	ppm	ND	PASS	0.4
LEAD	0.5000	ppm	ND	PASS	1
MERCURY	0.1000	ppm	ND	PASS	0.2
<b>Analyzed by:</b> 445, 272, 399	<b>Weight:</b> 0.1973g	<b>Extraction date:</b> 01/14/25 14:41:09		<b>Extracted by:</b> 445,398	
<b>Analysis Method :</b> SOP.T.30.500, SOP.T.30.084.AZ, SOP.T.40.084.AZ <b>Analytical Batch :</b> TE007268HEA <b>Instrument Used :</b> TE-051 "Metals Hood",TE-141 "Wolfgang",TE-144,TE-260 "Ludwig",TE-307 "Ted",TE-311 "Ted PC",TE-308 "Ted Chiller",TE-310 "Ted AS",TE-309 "Ted Pump",TE-312 "Ted Monitor",TE-313 "Ted Monitor" <b>Analyzed Date :</b> 01/16/25 17:25:48 <b>Dilution :</b> 50 <b>Reagent :</b> N/A <b>Consumables :</b> N/A <b>Pipette :</b> N/A					

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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Tempe, AZ, 85284, US  
(480) 220-4470

Kaycha Labs

GAST241016  
Gastopia  
Matrix : Flower  
Type: Flower-Cured



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## COMMENTS

- \* Cannabinoid      TE50114003-014POT
  - 1 - M1:CBDA
- \* Volatile Pesticides      TE50114003-014VOL
  - 1 - M2: Cyfluthrin.

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01/16/25