

Regulatory Compliance Testing

CERTIFICATE OF ANALYSIS

DATE ISSUED 05/24/2025

SAMPLE DETAILS OVERALL BATCH RESULT: PASS

SAMPLE NAME: CBX - Mount Zereal Kush - Manicured Flower

Flower, Medical Inhalable

CULTIVATOR / MANUFACTURER

Business Name: Highstar, LLC License Number: CCL23-0000118

Address: 4959 Patata St. Cudahy, CA 90201

SAMPLE DETAIL

Batch Number: 050725MZK Sample ID: 250522Q003

Source Metrc UID:

1A40603000608ED000014294

DISTRIBUTOR

Business Name: HIGHSTAR

DISTRIBUTION LLC

License Number: C11-0001899-LIC

Address: 4959 PATATA ST CUDAHY CA 90201

Date Collected: 05/22/2025 Date Received: 05/23/2025 Batch Size: 22700.0 grams Sample Size: 80.0 grams

Unit Mass: Serving Size:

Sampling Method: QSP 1265 - Sampling of Cannabis and Product Batches







Scan QR code to verify authenticity of results.

CALCULATED USING DRY-WEIGHT

CANNABINOID ANALYSIS - SUMMARY

Sum of Cannabinoids: 31.4640%

Total Cannabinoids: 27,6960%

Total THC: 26.2845%

Total CBD: 0.1193%

Sum of Cannabinoids = Δ^9 -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ^8 -THC + CBL + CBN Total Cannabinoids = $(\Delta^9$ -THC+0.877*THCa+ Δ^8 -THC) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) +

(CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + CBL + CBN Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

Total THC = Δ^9 -THC + (THCa (0.877)) + Δ^8 -THC Total CBD = CBD + (CBDa (0.877))

Moisture: 12.4%

TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 2.0471%

Limonene 7.146 mg/g β-Caryophyllene 2.631 mg/g

Myrcene 2.430 mg/g

SAFETY ANALYSIS - SUMMARY

Pesticides: PASS Mycotoxins: PASS Heavy Metals: PASS Microbiology: PASS

Foreign Material: PASS Water Activity: PASS

These results relate only to the sample included on this report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), $\mu g/g = ppm, \mu g/kg = ppb$

All LOC samples were performed and met the prescribed acceptance criteria in 4 CCR section 15730, as attested by: Michael Pham

Job Title: Senior Laboratory Analyst Date: 05/24/2025

Approved by: Josh Wurzer Title: Chief Compliance Officer Date: 05/24/2025



Regulatory Compliance Testing

CERTIFICATE OF ANALYSIS

DATE ISSUED 05/24/2025

CANNABINOID TEST RESULTS - 05/24/2025

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD). Calculated using Dry-Weight. **Method:** QSP 43123 - Analysis of Cannabinoids by HPLC-DAD

TOTAL CANNABINOIDS: 27.6960%

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + CBL + CBN

TOTAL THC: 26.2845%Total THC (Δ⁹-THC+0.877*THCa+Δ⁸-THC)

TOTAL CBD: 0.1193% Total CBD (CBD+0.877*CBDa) TOTAL CBG: 0.8863% Total CBG (CBG+0.877*CBGa)

TOTAL THCV: 0.0924%

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.3134% Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: ND

Total CBDV (CBDV+0.877*CBDVa)

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.062 / 0.250	±5.3955	291.650	29.1650
CBGa	0.040 / 0.250	±0.2447	8.709	0.8709
Δ ⁹ -THC	0.047 / 0.250	±0.1329	7.068	0.7068
CBCa	0.199 / 0.500	±0.1419	3.574	0.3574
CBDa	0.031 / 0.250	±0.0248	1.360	0.1360
CBG	0.037 / 0.250	±0.0159	1.225	0.1225
THCVa	0.040 / 0.250	±0.0095	1.054	0.1054
Δ ⁸ -THC	0.075 / 0.250	N/A	ND	ND
THCV	0.052 / 0.250	N/A	ND	ND
CBD	0.062 / 0.250	N/A	ND	ND
CBDV	0.044 / 0.250	N/A	ND	ND
CBDVa	0.017 / 0.250	N/A	ND	ND
CBL	0.126 / 0.382	N/A	ND	ND
CBN	0.033 / 0.250	N/A	ND	ND
СВС	0.072 / 0.250	N/A	ND	ND
SUM OF CAN	NABINOIDS		314.640 mg/g	31.4640%
		· · · · · · · · · · · · · · · · · · ·		

MOISTURE TEST RESULT

12.4%

Tested 05/23/2025 **Method:** QSP 1224 -Loss on Drying (Moisture)

TERPENOID TEST RESULTS - 05/24/2025

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID). $\textbf{Method:} \ \, \text{QSP 1192 - Analysis of Terpenoids by GC-FID}$

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Limonene	0.005 / 0.016	±0.2330	7.146	0.7146
$\beta\text{-Caryophyllene}$	0.004/0.013	±0.1415	2.631	0.2631
Myrcene	0.007 / 0.025	±0.0860	2.430	0.2430
Linalool	0.009 / 0.036	±0.0835	2.125	0.2125
β-Pinene	0.004 / 0.015	±0.0415	1.286	0.1286
α-Humulene	0.009/0.180	±0.0548	1.018	0.1018

TERPENOID TEST RESULTS - 05/24/2025 continued

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
α-Pinene	0.005 / 0.036	±0.0336	0.939	0.0939
Fenchol	0.009 / 0.036	±0.0254	0.690	0.0690
Terpineol	0.008 / 0.025	±0.0395	0.645	0.0645
α -Bisabolol	0.008 / 0.026	±0.0147	0.342	0.0342
β-Ocimene	0.005 / 0.025	±0.0101	0.256	0.0256
Camphene	0.004 / 0.014	±0.0065	0.201	0.0201
Valencene	0.010 / 0.180	±0.0097	0.188	0.0188
Borneol	0.004 / 0.014	±0.0058	0.123	0.0123
Nerolidol	0.006 / 0.021	±0.0093	0.117	0.0117
Geraniol	0.002 / 0.036	±0.0054	0.103	0.0103
Terpinolene	0.008 / 0.036	±0.0014	0.090	0.0090
Citronellol	0.003 / 0.036	±0.0016	0.056	0.0056
Fenchone	0.008 / 0.036	±0.0019	0.052	0.0052
trans-β-Farnesene	0.008 / 0.028	±0.0019	0.033	0.0033
Caryophyllene Oxide	0.011/0.038	N/A	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
γ -Terpinene	0.005 / 0.018	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Nerol	0.003 / 0.036	N/A	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Sabinene Hydrate	0.007 / 0.036	N/A	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
$\alpha\text{-Cedrene}$	0.005 / 0.017	N/A	ND	ND
α -Phellandrene	0.006 / 0.036	N/A	ND	ND
$\alpha\text{-Terpinene}$	0.006/0.019	N/A	ND	ND
Camphor	0.005 / 0.036	N/A	ND	ND
Cedrol	0.009/0.032	N/A	ND	ND
Δ^3 -Carene	0.005 / 0.018	N/A	ND	ND
Eucalyptol	0.005 / 0.018	N/A	ND	ND
Geranyl Acetate	0.004 / 0.036	N/A	ND	ND
Guaiol	0.011 / 0.035	N/A	ND	ND
Isoborneol	0.003 / 0.011	N/A	ND	ND
Isopulegol	0.004 / 0.036	N/A	ND	ND
Menthol	0.008 / 0.025	N/A	ND	ND
p-Cymene	0.005 / 0.015	N/A	ND	ND
Pulegone	0.003 / 0.010	N/A	ND	ND
Sabinene	0.004 / 0.014	N/A	ND	ND
TOTAL TERPEN	OIDS		20.471 mg/g	2.0471%



Regulatory Compliance Testing

CERTIFICATE OF ANALYSIS



DATE ISSUED 05/24/2025

CATEGORY 1 PESTICIDE TEST RESULTS - 05/24/2025 PASS

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS). *GC-MS utilized where indicated. **Method:** QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (μg/g)	RESULT
Aldicarb	0.03/0.08	≥ LOD	N/A	ND	PASS
Carbofuran	0.02 / 0.05	≥LOD	N/A	ND	PASS
Chlordane*	0.03/0.08	≥ LOD	N/A	ND	PASS
Chlorfenapyr*	0.03/0.10	≥ LOD	N/A	ND	PASS
Chlorpyrifos	0.02 / 0.06	≥ LOD	N/A	ND	PASS
Coumaphos	0.02 / 0.07	≥ LOD	N/A	ND	PASS
Daminozide	0.02 / 0.07	≥ LOD	N/A	ND	PASS
Dichlorvos (DDVP)	0.03 / 0.09	≥ LOD	N/A	ND	PASS
Dimethoate	0.03/0.08	≥ LOD	N/A	ND	PASS
Ethoprophos	0.03 / 0.10	≥ LOD	N/A	ND	PASS
Etofenprox	0.02 / 0.06	≥ LOD	N/A	ND	PASS
Fenoxycarb	0.03/0.08	≥ LOD	N/A	ND	PASS
Fipronil	0.03/0.08	≥ LOD	N/A	ND	PASS
Imazalil	0.02 / 0.06	≥ LOD	N/A	ND	PASS
Methiocarb	0.02 / 0.07	≥ LOD	N/A	ND	PASS
Mevinphos	0.03/0.09	≥ LOD	N/A	ND	PASS
Paclobutrazol	0.02 / 0.05	≥ LOD	N/A	ND	PASS
Parathion-methyl	0.03 / 0.10	≥ LOD	N/A	ND	PASS
Propoxur	0.03/0.09	≥ LOD	N/A	ND	PASS
Spiroxamine	0.03/0.08	≥ LOD	N/A	ND	PASS
Thiacloprid	0.03 / 0.10	≥LOD	N/A	ND	PASS

CATEGORY 2 PESTICIDE TEST RESULTS - 05/24/2025 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (μg/g)	RESULT
Abamectin	0.03 / 0.10	0.1	N/A	ND	PASS
Acephate	0.02 / 0.07	0.1	N/A	ND	PASS
Acequinocyl	0.02 / 0.07	0.1	N/A	ND	PASS
Acetamiprid	0.02 / 0.05	0.1	N/A	ND	PASS
Azoxystrobin	0.02 / 0.07	0.1	N/A	ND	PASS
Bifenazate	0.01 / 0.04	0.1	N/A	ND	PASS
Bifenthrin	0.02 / 0.05	3	N/A	ND	PASS
Boscalid	0.03 / 0.09	0.1	N/A	ND	PASS
Captan	0.19/0.57	0.7	N/A	ND	PASS
Carbaryl	0.02 / 0.06	0.5	N/A	ND	PASS
Chlorantranilip- role	0.04 / 0.12	10	N/A	ND	PASS
Clofentezine	0.03 / 0.09	0.1	N/A	ND	PASS

CATEGORY 2 PESTICIDE TEST RESULTS - 05/24/2025 continued

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)	RESULT
Cyfluthrin	0.12 / 0.38	2	N/A	ND	PASS
Cypermethrin	0.11/0.32	1	N/A	ND	PASS
Diazinon	0.02 / 0.05	0.1	N/A	ND	PASS
Dimethomorph	0.03/0.09	2	N/A	ND	PASS
Etoxazole	0.02 / 0.06	0.1	N/A	ND	PASS
Fenhexamid	0.03 / 0.09	0.1	N/A	ND	PASS
Fenpyroximate	0.02 / 0.06	0.1	N/A	ND	PASS
Flonicamid	0.03 / 0.10	0.1	N/A	ND	PASS
Fludioxonil	0.03 / 0.10	0.1	N/A	ND	PASS
Hexythiazox	0.02 / 0.07	0.1	N/A	ND	PASS
Imidacloprid	0.04 / 0.11	5	N/A	ND	PASS
Kresoxim-methyl	0.02 / 0.07	0.1	N/A	ND	PASS
Malathion	0.03 / 0.09	0.5	N/A	ND	PASS
Metalaxyl	0.02 / 0.07	2	N/A	ND	PASS
Methomyl	0.03 / 0.10	1	N/A	ND	PASS
Myclobutanil	0.03 / 0.09	0.1	N/A	ND	PASS
Naled	0.02 / 0.07	0.1	N/A	ND	PASS
Oxamyl	0.04 / 0.11	0.5	N/A	ND	PASS
Pentachloronitro- benzene (Quintozene)*	0.03/0.09	0.1	N/A	ND	PASS
Permethrin	0.04 / 0.12	0.5	N/A	ND	PASS
Phosmet	0.03/0.10	0.1	N/A	ND	PASS
Piperonyl Butoxide	0.02 / 0.07	3	N/A	ND	PASS
Prallethrin	0.03 / 0.08	0.1	N/A	ND	PASS
Propiconazole	0.02 / 0.07	0.1	N/A	ND	PASS
Pyrethrins	0.04 / 0.12	0.5	N/A	ND	PASS
Pyridaben	0.02 / 0.07	0.1	N/A	ND	PASS
Spinetoram	0.02 / 0.07	0.1	N/A	ND	PASS
Spinosad	0.02 / 0.07	0.1	N/A	ND	PASS
Spiromesifen	0.02 / 0.05	0.1	N/A	ND	PASS
Spirotetramat	0.02 / 0.06	0.1	N/A	ND	PASS
Tebuconazole	0.02 / 0.07	0.1	N/A	ND	PASS
Thiamethoxam	0.03 / 0.10	5	N/A	ND	PASS
Trifloxystrobin	0.03 / 0.08	0.1	N/A	ND	PASS



DATE ISSUED 05/24/2025



MYCOTOXIN TEST RESULTS - 05/24/2025 PASS



Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS). Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (µg/kg)	MEASUREMENT UNCERTAINTY (µg/kg)	RESULT (µg/kg)	RESULT
Aflatoxin B1	2.0 / 6.0		N/A	ND	
Aflatoxin B2	1.8 / 5.6		N/A	ND	
Aflatoxin G1	1.0 / 3.1		N/A	ND	
Aflatoxin G2	1.2 / 3.5		N/A	ND	
Ochratoxin A	6.3 / 19.2	20	N/A	ND	PASS
Total Aflatoxin		20		ND	PASS

HEAVY METALS TEST RESULTS - 05/24/2025 **PASS**

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS). Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)	RESULT
Arsenic	0.02 / 0.1	0.2	N/A	ND	PASS
Cadmium	0.02 / 0.05	0.2	N/A	ND	PASS
Lead	0.04 / 0.1	0.5	N/A	ND	PASS
Mercury	0.002 / 0.01	0.1	N/A	ND	PASS

MICROBIOLOGY TEST RESULTS - 05/24/2025 PASS

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants. Method: QSP 61517 - Analysis of Microbiological Contaminants

COMPOUND	ACTION LIMIT	RESULT	RESULT
Aspergillus flavus	Not Detected in 1g	ND	PASS
Aspergillus fumigatus	Not Detected in 1g	ND	PASS
Aspergillus niger	Not Detected in 1g	ND	PASS
Aspergillus terreus	Not Detected in 1g	ND	PASS
Salmonella spp.	Not Detected in 1g	ND	PASS
Shiga toxin-producing Escherichia coli	Not Detected in 1g	ND	PASS

FOREIGN MATERIAL TEST RESULTS - 05/23/2025 PASS

Visual analysis includes, but is not limited to, sand, soil, cinders, dirt, mold, hair, insect fragments, and mammalian excreta. Method: QSP 1226 - Analysis of Foreign Material in Cannabis and Cannabis Products

COMPOUND	ACTION LIMIT	RESULT	RESULT
Hair Count	> 1 per 3 grams	0.0	PASS
Insect Fragment Count	> 1 per 3 grams	0.0	PASS
Mammalian Excreta Count	> 1 per 3 grams	0.0	PASS
Total Sample Area Covered by an Imbedded Foreign Material	>25%	None	PASS
Total Sample Area Covered by Mold	>25%	None	PASS
Total Sample Area Covered by Sand, Soil, Cinders, or Dirt	>25%	None	PASS

WATER ACTIVITY TEST RESULTS - 05/23/2025 PASS



Method: QSP 1227 - Analysis of Water Activity in Cannabis and Cannabis Products

COMPOUND	LOD/LOQ (Aw)	ACTION LIMIT (Aw)	MEASUREMENT UNCERTAINTY (Aw)	RESULT (Aw)	RESULT
Water Activity	0.030 / 0.15	0.65	±0.004	0.53	PASS