

SAMPLE NAME: Blue Zushi  
Flower, Inhalable

## CULTIVATOR / MANUFACTURER

Business Name:  
License Number:  
Address:

## DISTRIBUTOR

Business Name:  
License Number:  
Address:

## SAMPLE DETAIL

Batch Number:  
Sample ID: 241104Q008  
Source Metrc UID:

Date Collected: 11/04/2024  
Date Received: 11/05/2024  
Batch Size: 22700.0 grams  
Sample Size: 81.0 grams  
Unit Mass:  
Serving Size:



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

## CANNABINOID ANALYSIS - SUMMARY

CALCULATED USING DRY-WEIGHT

Sum of Cannabinoids: 31.2600%Total Cannabinoids: 29.6401%Total THC: 27.6723%Total CBD: 0.1086%

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

Moisture: 11.4%

## TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 3.3381%

●  $\beta$ -Caryophyllene 10.963 mg/g ● Limonene 6.444 mg/g ●  $\alpha$ -Humulene 3.631 mg/g

## SAFETY ANALYSIS - SUMMARY

Pesticides: ✔ PASSMycotoxins: ✔ PASSHeavy Metals: ✔ PASSMicrobiology: ✔ PASSForeign Material: ✔ PASSWater 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)

All LQC samples were performed and  
met the prescribed acceptance criteria  
in 4 CCR section 15730, as attested by:  
Yasmin Kakkar  
Job Title: Senior Laboratory Analyst  
Date: 11/07/2024

Approved by: Josh Wurzer  
Job Title: Chief Compliance Officer  
Date: 11/07/2024

CANNABINOID TEST RESULTS - 11/07/2024

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD). Calculated using Dry-Weight. **Method:** QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

**TOTAL CANNABINOIDS: 29.6401%**  
Total Cannabinoids (Total THC) + (Total CBD) +  
(Total CBG) + (Total THCV) + (Total CBC) +  
(Total CBDV) + CBL + CBN

**TOTAL THC: 27.6723%**  
Total THC ( $\Delta^9$ -THC+0.877\*THCa+ $\Delta^8$ -THC)

**TOTAL CBD: 0.1086%**  
Total CBD (CBD+0.877\*CBDA)

**TOTAL CBG: 1.3675%**  
Total CBG (CBG+0.877\*CBGa)

**TOTAL THCV: 0.121%**  
Total THCV (THCV+0.877\*THCVa)

**TOTAL CBC: 0.2357%**  
Total CBC (CBC+0.877\*CBCa)

**TOTAL CBDV: <0.1%**  
Total CBDV (CBDV+0.877\*CBDVa)

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.062 / 0.250	±4.0434	288.560	28.8560
Δ <sup>9</sup> -THC	0.047 / 0.250	±1.4109	2.246	0.2246
CBGa	0.040 / 0.250	±0.3681	13.098	1.3098
CBG	0.037 / 0.250	±0.0284	2.188	0.2188
CBCa	0.199 / 0.500	±0.0730	1.840	0.1840
CBN	0.033 / 0.250	±0.0186	1.350	0.1350
CBDA	0.031 / 0.250	±0.0225	1.238	0.1238
THCVa	0.040 / 0.250	±0.0093	1.030	0.1030
CBC	0.072 / 0.250	±0.0196	0.743	0.0743
THCV	0.052 / 0.250	±0.0045	0.307	0.0307
CBD	0.062 / 0.250	N/A	<1	<0.1
CBDV	0.044 / 0.250	N/A	<1	<0.1
Δ <sup>8</sup> -THC	0.075 / 0.250	N/A	ND	ND
CBDVa	0.017 / 0.250	N/A	ND	ND
CBL	0.126 / 0.382	N/A	ND	ND
SUM OF CANNABINOIDS			312.600 mg/g	31.2600%

MOISTURE TEST RESULT

11.4%

Tested 11/06/2024  
Method: QSP 1224 -  
Loss on Drying (Moisture)

TERPENOID TEST RESULTS - 11/07/2024

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID). **Method:** QSP 1192 - Analysis of Terpenoids by GC-FID

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
β-Caryophyllene	0.004 / 0.013	±0.5898	10.963	1.0963
Limonene	0.005 / 0.016	±0.2101	6.444	0.6444
α-Humulene	0.009 / 0.180	±0.1953	3.631	0.3631
Linalool	0.009 / 0.036	±0.1219	3.102	0.3102
α-Bisabolol	0.008 / 0.026	±0.0627	1.458	0.1458
Nerolidol	0.006 / 0.021	±0.1115	1.409	0.1409
α-Pinene	0.005 / 0.036	±0.0360	1.006	0.1006

TERPENOID TEST RESULTS - 11/07/2024 continued

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
β-Pinene	0.004 / 0.015	±0.0304	0.942	0.0942
Terpineol	0.008 / 0.025	±0.0543	0.887	0.0887
Fenchol	0.009 / 0.036	±0.0310	0.843	0.0843
Myrcene	0.007 / 0.025	±0.0212	0.600	0.0600
trans-β-Farnesene	0.008 / 0.028	±0.0286	0.502	0.0502
Caryophyllene Oxide	0.011 / 0.038	±0.0295	0.496	0.0496
Guaial	0.011 / 0.035	±0.0136	0.250	0.0250
Borneol	0.004 / 0.014	±0.0083	0.177	0.0177
Camphene	0.004 / 0.014	±0.0052	0.162	0.0162
β-Ocimene	0.005 / 0.025	±0.0056	0.143	0.0143
Fenchone	0.008 / 0.036	±0.0047	0.126	0.0126
Terpinolene	0.008 / 0.036	±0.0009	0.060	0.0060
Eucalyptol	0.005 / 0.018	±0.0023	0.057	0.0057
Citronellol	0.003 / 0.036	±0.0013	0.046	0.0046
Sabinene Hydrate	0.007 / 0.036	±0.0017	0.046	0.0046
α-Cedrene	0.005 / 0.017	±0.0017	0.031	0.0031
γ-Terpinene	0.005 / 0.018	N/A	<LOQ	<LOQ
Geraniol	0.002 / 0.036	N/A	<LOQ	<LOQ
Nerol	0.003 / 0.036	N/A	<LOQ	<LOQ
Valencene	0.010 / 0.180	N/A	<LOQ	<LOQ
α-Phellandrene	0.006 / 0.036	N/A	ND	ND
α-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 <sup>3</sup> -Carene	0.005 / 0.018	N/A	ND	ND
Geranyl Acetate	0.004 / 0.036	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 TERPENOIDS			33.381 mg/g	3.3381%



CATEGORY 1 PESTICIDE TEST RESULTS - 11/07/2024 ✓ 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 - 11/07/2024 ✓ 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 - 11/07/2024 *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
Fonicamid	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

**MYCOTOXIN TEST RESULTS** - 11/07/2024 ✓ 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** - 11/07/2024 ✓ 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	<LOQ	PASS
Cadmium	0.02 / 0.05	0.2	N/A	<LOQ	PASS
Lead	0.04 / 0.1	0.5	N/A	<LOQ	PASS
Mercury	0.002 / 0.01	0.1	N/A	<LOQ	PASS

**MICROBIOLOGY TEST RESULTS** - 11/07/2024 ✓ PASS

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants. **Method:** QSP 1221 - Analysis of Microbiological Contaminants

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

**FOREIGN MATERIAL TEST RESULTS** - 11/05/2024 ✓ 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** - 11/06/2024 ✓ 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	±0.003	0.47	PASS