Quantix Analytics

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5540 Centerview Dr Ste 204 #982095, Raleigh, NC 27606

Certificate of Analysis

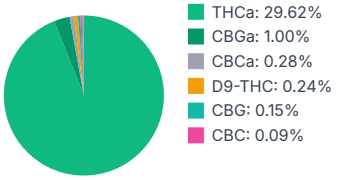
Blue Zushi

Sample ID: QA202607138810
Matrix: Dried Flower
Sample Size: 3.5g

Collected: 2026-07-13
Received: 2026-07-13
Completed: 2026-07-20
Batch #: TFD-0713-63

Client:
Diamond Distro
608 Roundtree Rd., Charlotte, NC, 28277
Lic #: USDA_37_0388

Cannabinoid Distribution



Cannabinoids

Complete

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
D9-THC	0.01	0.02	**0.24**	2.44
D8-THC	0.01	0.02	**ND**	ND
THCa	0.01	0.02	**29.62**	296.21
THCP	0.01	0.02	**ND**	ND
THCV	0.01	0.02	**0.04**	0.42
CBD	0.01	0.02	**ND**	ND
CBDa	0.01	0.02	**0.06**	0.57
CBG	0.01	0.02	**0.15**	1.55
CBGa	0.01	0.02	**1.00**	10.02
CBN	0.01	0.02	**0.04**	0.38
CBC	0.01	0.02	**0.09**	0.86
CBCa	0.01	0.02	**0.28**	2.82
Total THC			**29.86**	298.60
Total CBD			**0.06**	0.60
Total Cannabinoids			**31.53**	315.30

29.62%
THCa

1.00%
CBGa

0.28%
CBCa

0.24%
D9-THC

Summary

Test	Date	Result
Batch	2026-07-20	Complete
Cannabinoids	2026-07-20	Complete
Moisture	2026-07-20	10.30%

Methodology & Quality Control

Total THC = D9-THC + 0.877 × THCa. Total CBD = CBD + 0.877 × CBDa. Total Cannabinoids = Sum of individual cannabinoids detected. Testing performed using validated HPLC-UV/MS methods per ISO 17025 standards. Unless otherwise stated, all quality control samples performed within specifications. This Certificate applies only to the sample(s) tested and is not a declaration of product safety, efficacy, or regulatory compliance.

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Sarah Mitchell

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Laboratory Director
2026-07-20

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Test Result

PASS

✓ All Safety Tests Passed

This sample has been tested for microbial contaminants, heavy metals, and mycotoxins. All results are within acceptable limits as defined by state regulations and industry standards.

Microbial Contaminants

Pass

Test	Result	Limit	Status
E. coli	**ND**	ND	Pass
Salmonella	**ND**	ND	Pass
Total Coliforms	**ND**	100	Pass
Aspergillus niger	**ND**	ND	Pass
Aspergillus flavus	**ND**	ND	Pass
Total Yeast & Mold	**ND**	1000	Pass
Aspergillus terreus	**ND**	ND	Pass
Total Aerobic Count	**817**	10000	Pass
Aspergillus fumigatus	**ND**	ND	Pass
Bile-Tolerant Gram-Negative	**ND**	100	Pass

Heavy Metals Analysis

Pass

Analyte	LOD	LOQ	Result	Limit	Status
Lead (Pb)	0.02	0.05	**ND**	<0.5	Pass
Arsenic (As)	0.02	0.05	**ND**	<0.2	Pass
Cadmium (Cd)	0.02	0.05	**ND**	<0.2	Pass
Mercury (Hg)	0.005	0.02	**ND**	<0.1	Pass

Mycotoxins

Pass

Analyte	LOD	LOQ	Result	Limit	Status
Aflatoxin B1	1	5	**ND**	<20	Pass
Aflatoxin B2	1	5	**ND**	<20	Pass
Aflatoxin G1	1	5	**ND**	<20	Pass
Aflatoxin G2	1	5	**ND**	<20	Pass
Ochratoxin A	1	5	**ND**	<20	Pass

Methodology & Quality Control

All safety and compliance testing is performed in accordance with ISO 17025 accredited laboratory standards. Heavy metals via ICP-MS. Microbial via qPCR. Solvents via HS-GC-MS. Mycotoxins via LC-MS/MS. ND = Not Detected (below Limit of Detection).

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Test Result

PASS

✓ All Pesticide Tests Passed

Category I pesticides are banned substances with zero tolerance. Any detection of these pesticides results in automatic failure and product cannot be sold.

CATEGORY I **Zero Tolerance - 22 Analytes** Any detection = FAIL

Pesticide Analysis - 66 Analytes

Pass

Method: LC-MS/MS | LOD: 0.005-0.05 ppm | LOQ: 0.01-0.1 ppm

Analyte	Result	Status
Aldicarb	ND	Pass
Carbofuran	ND	Pass
Chlordane	ND	Pass
Chlorfenapyr	ND	Pass
Chlorpyrifos	ND	Pass
Coumaphos	ND	Pass
Daminozide	ND	Pass
DDVP (Dichlorvos)	ND	Pass
Dimethoate	ND	Pass
Ethoprophos	ND	Pass
Etofenprox	ND	Pass

Analyte	Result	Status
Fenoxycarb	ND	Pass
Fipronil	ND	Pass
Imazalil	ND	Pass
Methiocarb	ND	Pass
Mevinphos	ND	Pass
Paclobutrazol	ND	Pass
Parathion-methyl	ND	Pass
Pentachloronitrobenzene	ND	Pass
Propoxur	ND	Pass
Spiroxamine	ND	Pass
Thiacloprid	ND	Pass

Methodology & Quality Control

Comprehensive pesticide screening performed using LC-MS/MS in accordance with ISO 17025 standards. Category I pesticides are banned substances with zero tolerance. Category II pesticides have established action levels. All results in ppm. ND = Not Detected.

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Test Result
PASS

✓ All Pesticide Tests Passed

Category II pesticides have established action levels. Results must be below the regulatory limits shown. These pesticides are restricted but allowed at specified concentrations.

CATEGORY II **Action Level - 44 Analytes** Must be below established limits

Analyte	Result	Status
Abamectin	ND	Pass
Acephate	ND	Pass
Acequinocyl	ND	Pass
Acetamiprid	ND	Pass
Azoxystrobin	ND	Pass
Bifenazate	ND	Pass
Bifenthrin	ND	Pass
Boscalid	ND	Pass
Captan	ND	Pass
Carbaryl	ND	Pass
Chlorantraniliprole	ND	Pass
Clofentezine	ND	Pass
Cyfluthrin	ND	Pass
Cypermethrin	ND	Pass
Diazinon	ND	Pass
Dimethomorph	ND	Pass
Etoxazole	ND	Pass
Fenhexamid	ND	Pass
Fenpyroximate	ND	Pass
Flonicamid	ND	Pass
Fludioxonil	ND	Pass
Hexythiazox	ND	Pass

Analyte	Result	Status
Imidacloprid	ND	Pass
Kresoxim-methyl	ND	Pass
Malathion	ND	Pass
Metalaxyl	ND	Pass
Methomyl	ND	Pass
Myclobutanil	ND	Pass
Naled	ND	Pass
Oxamyl	ND	Pass
Permethrin	ND	Pass
Phosmet	ND	Pass
Piperonyl Butoxide	ND	Pass
Prallethrin	ND	Pass
Propiconazole	ND	Pass
Pyrethrins	ND	Pass
Pyridaben	ND	Pass
Spinetoram	ND	Pass
Spinosad	ND	Pass
Spiromesifen	ND	Pass
Spirotetramat	ND	Pass
Tebuconazole	ND	Pass
Thiamethoxam	ND	Pass
Trifloxystrobin	ND	Pass

Methodology & Quality Control

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Test Result

PASS

✓ All Solvent Tests Passed

Residual solvents testing per USP <467> standards. Class 1 solvents (carcinogens) have strict limits. Class 2/3 solvents have higher allowable limits. All results in ppm (parts per million).

USP <467> **Residual Solvents - 14 Analytes** HS-GC-MS Analysis

Solvent	Result (ppm)	Limit (ppm)
Acetone	<LOQ	5000
Benzene	<LOQ	2
Butane	<LOQ	5000
Chloroform	<LOQ	2
Ethanol	<LOQ	5000
Ethyl Acetate	<LOQ	5000
Heptane	<LOQ	5000

Solvent	Result (ppm)	Limit (ppm)
Hexane	<LOQ	290
Isopropyl Alcohol	<LOQ	5000
Methanol	<LOQ	3000
Pentane	<LOQ	5000
Propane	<LOQ	5000
Toluene	<LOQ	890
Xylene	<LOQ	2170

Methodology & Quality Control

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