



# Certificate of Analysis



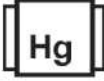







Sample: KN20923012-001  
Harvest/Lot ID: 0919WGMH311  
Batch#: 0919WGMH311  
Seed to Sale# N/A  
Batch Date: 09/19/22  
Sample Size Received: 26.3 gram  
Total Batch Size: N/A  
Retail Product Size: 95 gram  
Ordered: 09/19/22  
Sampled: 09/19/22  
Completed: 09/29/22  
Sampling Method: N/A

**PASSED**

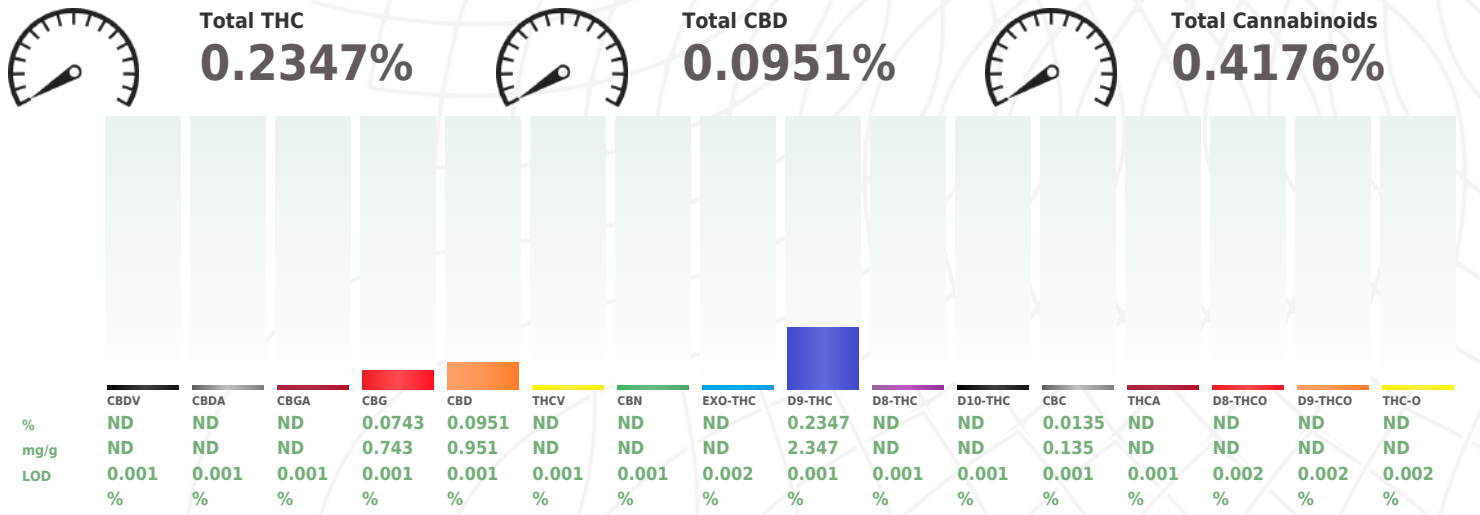
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Sep 29, 2022 | Wunderkind  
704 interstate business park  
fredericksburg, VA, 22405, US



PRODUCT IMAGE	SAFETY RESULTS								MISC.
	 Pesticides <b>PASSED</b>	 Heavy Metals <b>PASSED</b>	 Microbials <b>PASSED</b>	 Mycotoxins <b>PASSED</b>	 Residuals Solvents <b>PASSED</b>	 Filtration <b>PASSED</b>	 Water Activity NOT TESTED	 Moisture NOT TESTED	 Terpenes NOT TESTED

	<b>Cannabinoid</b>	<b>PASSED</b>
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Analyzed by: 2692      Weight: 0.2067g      Extraction date: 09/26/22 13:25:09      Extracted by: 2692

Analysis Method : Expanded Measurement of Uncertainty: Flower Matrix d9-THC:12.7%, THCA: 9.5%, TOTAL THC 11. 1%. These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor k=2 for a normal distribution.

Analytical Batch : KN002946POT      Reviewed On : 09/28/22 11:39:13  
Instrument Used : E-SHI-153 Potency      Batch Date : 09/26/22 13:21:37  
Running on : N/A

Dilution : N/A  
Reagent : 062422.02; 070822.R01; 063022.R02  
Consumables : 294033242; 270314; 947.109 B9291.271; 12123-046CC-046  
Pipette : E-GIL-010; E-EPP-081

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). (Method: SOP.T.30.031.TN for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis.). \*Based on FL action limits.

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**Sue Ferguson**

Lab Director

State License # n/a  
ISO Accreditation # 17025:2017

  
Signature

09/29/22

Signed On



# Certificate of Analysis

**PASSED**

Wunderkind

704 interstate business park  
fredericksburg, VA, 22405, US  
Telephone: (703) 269-0810  
Email: service@wunderkindcbd.com

Sample : KN20923012-001  
Harvest/Lot ID: 0919WGMH311

Batch# : 0919WGMH311  
Sampled : 09/19/22  
Ordered : 09/19/22

Sample Size Received : 26.3 gram  
Total Batch Size : N/A  
Completed : 09/29/22 Expires: 09/29/23  
Sample Method : SOP Client Method

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## Pesticides

**PASSED**

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.01	ppm	0.3	PASS	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND
ACEPHATE	0.01	ppm	3	PASS	ND	PRALLETHRIN	0.01	ppm	0.4	PASS	ND
ACEQUINOCYL	0.01	ppm	2	PASS	ND	PROPICONAZOLE	0.01	ppm	1	PASS	ND
ACETAMIPRID	0.01	ppm	3	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	PYRETHRINS	0.01	ppm	1	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	ND	PYRIDABEN	0.01	ppm	3	PASS	ND
BIFENAZATE	0.01	ppm	3	PASS	ND	SPINETORAM	0.01	ppm	3	PASS	ND
BIFENTHRIN	0.01	ppm	0.5	PASS	ND	SPIROMESIFEN	0.01	ppm	3	PASS	ND
BOSCALID	0.01	ppm	3	PASS	ND	SPIROTETRAMAT	0.01	ppm	3	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.01	ppm	1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	3	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	PASS	ND	THIAMETHOXAM	0.01	ppm	1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	TOTAL SPINOSAD	0.01	ppm	3	PASS	ND
CLOFENTEZINE	0.01	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	3	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND						
CYPERMETHRIN	0.01	ppm	1	PASS	ND						
DAMINOZIDE	0.01	ppm	0.1	PASS	ND						
DIAZANON	0.01	ppm	0.2	PASS	ND						
DICHLORVOS	0.01	ppm	0.1	PASS	ND						
DIMETHOATE	0.01	ppm	0.1	PASS	ND						
DIMETHOMORPH	0.01	ppm	3	PASS	ND						
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND						
ETOFENPROX	0.01	ppm	0.1	PASS	ND						
ETOXAZOLE	0.01	ppm	1.5	PASS	ND						
FENHEXAMID	0.01	ppm	3	PASS	ND						
FENOXYCARB	0.01	ppm	0.1	PASS	ND						
FENPYROXIMATE	0.01	ppm	2	PASS	ND						
FIPRONIL	0.01	ppm	0.1	PASS	ND						
FLONICAMID	0.01	ppm	2	PASS	ND						
FLUDIOXONIL	0.01	ppm	3	PASS	ND						
HEXYTHIAZOX	0.01	ppm	2	PASS	ND						
IMAZALIL	0.01	ppm	0.1	PASS	ND						
IMIDACLOPRID	0.01	ppm	3	PASS	ND						
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND						
MALATHION	0.01	ppm	2	PASS	ND						
METALAXYL	0.01	ppm	3	PASS	ND						
METHIOCARB	0.01	ppm	0.1	PASS	ND						
METHOMYL	0.01	ppm	0.1	PASS	ND						
MEVINPHOS	0.01	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.01	ppm	3	PASS	ND						
NALED	0.01	ppm	0.5	PASS	ND						
OXAMYL	0.01	ppm	0.5	PASS	ND						
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND						
PERMETHRINS	0.01	ppm	1	PASS	ND						
PHOSMET	0.01	ppm	0.2	PASS	ND						

Analyzed by: 2803      Weight: 0.505313g      Extraction date: N/A      Extracted by: N/A  
 Analysis Method : SOP.T.30.060, SOP.T.40.060  
 Analytical Batch : KN002947PES      Reviewed On : 09/27/22 15:25:14  
 Instrument Used : E-SHI-125 Pesticides      Batch Date : 09/26/22 14:44:05  
 Running on : N/A  
 Dilution : 0.01  
 Reagent : N/A  
 Consumables : N/A  
 Pipette : N/A

Pesticide analysis is performed using LC-MSMS which can quantify down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 61 Pesticides. (Methods: SOP.T.30.065 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMSMS). \*Based on FL action limits.



# Certificate of Analysis

**PASSED**
**Wunderkind**

 704 interstate business park  
 fredericksburg, VA, 22405, US  
**Telephone:** (703) 269-0810  
**Email:** service@wunderkindcbd.com

**Sample :** KN20923012-001  
**Harvest/Lot ID:** 0919WGMH311

**Batch# :** 0919WGMH311  
**Sampled :** 09/19/22  
**Ordered :** 09/19/22

**Sample Size Received :** 26.3 gram  
**Total Batch Size :** N/A  
**Completed :** 09/29/22 **Expires:** 09/29/23  
**Sample Method :** SOP Client Method

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## Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	500	ppm	2100	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
METHANOL	25	ppm	3000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
ACETONE	75	ppm	5000	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	410	PASS	ND
DICHLOROMETHANE	12.5	ppm	600	PASS	ND
N-HEXANE	25	ppm	290	PASS	ND
ETHYL ACETATE	40	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	80	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm	2170	PASS	ND

Analyzed by: N/A	Weight: N/A	Extraction date: N/A	Extracted by: N/A
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**Analysis Method :** SOP.T.40.032  
**Analytical Batch :** KN002944SOL  
**Instrument Used :** E-SHI-106 Residual Solvents  
**Running on :** N/A

**Reviewed On :** 09/29/22 19:20:36  
**Batch Date :** 09/26/22 10:06:58

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

Residual solvents analysis is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 22 residual solvents. (Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS). \*Based on FL action limits.

**Sue Ferguson**

Lab Director

 State License # n/a  
 ISO Accreditation # 17025:2017

Signature

09/29/22

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# Certificate of Analysis

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Wunderkind

704 interstate business park  
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Telephone: (703) 269-0810  
Email: service@wunderkindcbd.com

Sample : KN20923012-001  
Harvest/Lot ID: 0919WGMH311

Batch# : 0919WGMH311  
Sampled : 09/19/22  
Ordered : 09/19/22

Sample Size Received : 26.3 gram  
Total Batch Size : N/A  
Completed : 09/29/22 Expires: 09/29/23  
Sample Method : SOP Client Method

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Microbial						Mycotoxins					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS		AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
SALMONELLA SPECIFIC GENE			Not Present	PASS		AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FLAVUS			Not Present	PASS		AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FUMIGATUS			Not Present	PASS		AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS NIGER			Not Present	PASS		OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
ASPERGILLUS TERREUS			Not Present	PASS		TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	0.02
Analized by: 2805	Weight: 1.0869g	Extraction date: 09/26/22 10:33:11		Extracted by: 2805		Analized by: 2803	Weight: 0.505313g	Extraction date: N/A		Extracted by: N/A	
Analysis Method : SOP.T.40.043 Analytical Batch : KN002943MIC Instrument Used : Micro E-HEW-069 Running on : N/A Dilution : N/A Reagent : N/A Consumables : N/A Pipette : N/A						Analysis Method : SOP.T.30.060, SOP.T.40.060 Analytical Batch : KN002956MYC Instrument Used : E-SHI-125 Mycotoxins Running on : N/A Dilution : 0.01 Reagent : N/A Consumables : N/A Pipette : N/A					
Reviewed On : 09/28/22 14:45:41 Batch Date : 09/26/22 09:28:20						Reviewed On : 09/27/22 15:46:41 Batch Date : 09/27/22 15:35:33					

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.065 Procedure for Mycotoxins Quantification Using LCMSMS. LOQ 5.0 ppb). \*Based on FL action limits.

Heavy Metals					
Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC-AS	0.02	ppm	ND	PASS	0.2
CADMIUM-CD	0.02	ppm	ND	PASS	0.2
MERCURY-HG	0.02	ppm	ND	PASS	0.2
LEAD-PB	0.02	ppm	ND	PASS	0.5
Analized by: 138, 12	Weight: 0.2659g	Extraction date: 09/23/22 15:02:16		Extracted by: 138	
Analysis Method : SOP.T.40.050, SOP.T.30.052 Analytical Batch : KN002935HEA Instrument Used : Metals ICP/MS Running on : N/A Dilution : 50 Reagent : N/A Consumables : N/A Pipette : N/A					
Reviewed On : 09/29/22 19:20:28 Batch Date : 09/23/22 10:01:49					

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.082 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.082TN Heavy Metals Analysis via ICP-MS.



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Wunderkind

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fredericksburg, VA, 22405, US  
Telephone: (703) 269-0810  
Email: service@wunderkindcbd.com

Sample : KN20923012-001  
Harvest/Lot ID: 0919WGMH311  
Batch# : 0919WGMH311  
Sampled : 09/19/22  
Ordered : 09/19/22

Sample Size Received : 26.3 gram  
Total Batch Size : N/A  
Completed : 09/29/22 Expires: 09/29/23  
Sample Method : SOP Client Method

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	<b>Filth/Foreign Material</b>	<b>PASSED</b>
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Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	1	detect/g	ND	PASS	3

Analyzed by: 2805	Weight: 0.662g	Extraction date: 09/26/22 10:29:02	Extracted by: 2805
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Analysis Method : SOP.T.30.074, SOP.T.40.074  
Analytical Batch : KN002926FIL  
Instrument Used : E-AMS-138 Microscope  
Running on : N/A

Reviewed On : 09/26/22 10:30:53  
Batch Date : 09/21/22 13:30:20

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


This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-2T13 Stereo Microscope is use for inspection.

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**Sue Ferguson**

Lab Director

State License # n/a  
ISO Accreditation # 17025:2017



Signature

09/29/22

Signed On