



12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794



**Report Number:** 23-000421/D002.R000  
**Report Date:** 01/25/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/10/23 16:50

**Customer:** IHC LLC  
**Product identity:** Bubba Kush D8 Preroll  
**Client/Metric ID:** .  
**Laboratory ID:** 23-000421-0001

### Summary

**Pesticides:**

*All analytes passing and less than LOQ.*

**Microbiology:**

Analyte	Result	Units
Mold (RAPID Petrifilm)	44,000	cfu/g



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**Received:** 01/10/23 16:50

**Customer:** IHC LLC  
 825 NW 16th Ave  
 Portland Oregon 97209  
 United States of America (USA)

**Product identity:** Bubba Kush D8 Preroll

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 23-000421-0001

**Evidence of Cooling:** No

**Temp:** 20 °C

**Relinquished by:** client



### Sample Results

#### Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Mold (RAPID Petrifilm)	44,000		cfu/g	1,000	2300343	01/15/23 AOAC 2014.05 (RAPID) <sup>P</sup>		I
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	100	2300343	01/15/23 AOAC 2014.05 (RAPID) <sup>P</sup>		I



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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) <sup>b</sup>											
Units mg/kg Batch 2300719 Analyze 01/24/23 11:48 AM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin <sup>¥</sup>	< LOQ	0.50	0.250	pass		Acephate <sup>¥</sup>	< LOQ	0.40	0.200	pass	
Acequinocyl <sup>¥</sup>	< LOQ	2.0	1.00	pass		Acetamiprid <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Aldicarb <sup>¥</sup>	< LOQ	0.40	0.200	pass		Azoxystrobin <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Bifentazate <sup>¥</sup>	< LOQ	0.20	0.100	pass		Bifenthrin <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Boscalid <sup>¥</sup>	< LOQ	0.40	0.200	pass		Carbaryl <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Carbofuran <sup>¥</sup>	< LOQ	0.20	0.100	pass		Chlorantraniliprole <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Chlorfenapyr <sup>¥</sup>	< LOQ	1.0	0.500	pass		Chlorpyrifos <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Clofentezine <sup>¥</sup>	< LOQ	0.20	0.100	pass		Cyfluthrin <sup>¥</sup>	< LOQ	1.0	0.500	pass	
Cypermethrin <sup>¥</sup>	< LOQ	1.0	0.500	pass		Daminozide <sup>¥</sup>	< LOQ	1.0	0.500	pass	
Diazinon <sup>¥</sup>	< LOQ	0.20	0.100	pass		Dichlorvos <sup>¥</sup>	< LOQ	1.0	0.500	pass	
Dimethoate <sup>¥</sup>	< LOQ	0.20	0.100	pass		Ethoprophos <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Etofenprox <sup>¥</sup>	< LOQ	0.40	0.200	pass		Etazazole <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Fenoxycarb <sup>¥</sup>	< LOQ	0.20	0.100	pass		Fenpyroximate <sup>¥</sup>	< LOQ	0.40	0.200	pass	
Fipronil <sup>¥</sup>	< LOQ	0.40	0.200	pass		Flonicamid <sup>¥</sup>	< LOQ	1.0	0.400	pass	
Fludioxonil <sup>¥</sup>	< LOQ	0.40	0.200	pass		Hexythiazox <sup>¥</sup>	< LOQ	1.0	0.400	pass	
Imazalil <sup>¥</sup>	< LOQ	0.20	0.100	pass		Imidacloprid <sup>¥</sup>	< LOQ	0.40	0.200	pass	
Kresoxim-methyl <sup>¥</sup>	< LOQ	0.40	0.200	pass		Malathion <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Metalaxyl <sup>¥</sup>	< LOQ	0.20	0.100	pass		Methiocarb <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Methomyl <sup>¥</sup>	< LOQ	0.40	0.200	pass		MGK-264 <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Myclobutanil <sup>¥</sup>	< LOQ	0.20	0.100	pass		Naled <sup>¥</sup>	< LOQ	0.50	0.250	pass	
Oxamyl <sup>¥</sup>	< LOQ	1.0	0.500	pass		Paclotbutrazole <sup>¥</sup>	< LOQ	0.40	0.200	pass	
Parathion-Methyl <sup>¥</sup>	< LOQ	0.20	0.100	pass		Permethrin <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Phosmet <sup>¥</sup>	< LOQ	0.20	0.100	pass		Piperonyl butoxide <sup>¥</sup>	< LOQ	2.0	1.00	pass	
Prallethrin <sup>¥</sup>	< LOQ	0.20	0.100	pass		Propiconazole <sup>¥</sup>	< LOQ	0.40	0.200	pass	
Propoxur <sup>¥</sup>	< LOQ	0.20	0.100	pass		Pyrethrin I (total) <sup>¥</sup>	< LOQ	1.0	0.500	pass	
Pyridaben <sup>¥</sup>	< LOQ	0.20	0.100	pass		Spinosad <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Spiromesifen <sup>¥</sup>	< LOQ	0.20	0.100	pass		Spirotetramat <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Spiroxamine <sup>¥</sup>	< LOQ	0.40	0.200	pass		Tebuconazole <sup>¥</sup>	< LOQ	0.40	0.200	pass	
Thiacloprid <sup>¥</sup>	< LOQ	0.20	0.100	pass		Thiamethoxam <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Trifloxystrobin <sup>¥</sup>	< LOQ	0.20	0.100	pass							



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**Abbreviations**

**Limits:** Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Ⓐ = ISO/IEC 17025:2017 accredited method.

¥ = TNI accredited analyte.

**Units of Measure**

cfu/g = Colony forming units per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

% wt = µg/g divided by 10,000

**Glossary of Qualifiers**

I: Insufficient sample received to meet method requirements.

Approved Signatory

Derrick Tanner  
General Manager





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Revision: 3 Document ID: 3120  
 LegacyID: CFLC21WorksheetValidated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg			Batch ID 2300719			
Method Blank	Blank Result	Blank Limits	Notes	LCS Result	LCS Spk	LCS% Re	Limits	Notes
Abamectin	0.000	< 0.250		0.691	1.000	69.1	50.0	150
Acephate	0.000	< 0.200		0.783	0.800	97.8	60.0	120
Acequinocyl	0.000	< 1.000		2.567	4.000	64.2	40.0	160
Acetamiprid	0.000	< 0.100		0.362	0.400	90.6	60.0	120
Aldicarb	0.000	< 0.200		0.729	0.800	91.1	60.0	120
Azoxystrobin	0.000	< 0.100		0.292	0.400	73.0	60.0	120
Bfenazate	0.000	< 0.100		0.306	0.400	76.4	60.0	120
Bifenthrin	0.000	< 0.100		0.282	0.400	65.5	50.0	150
Boscalid	0.000	< 0.200		0.641	0.800	80.2	60.0	120
Carbaryl	0.000	< 0.100		0.347	0.400	86.6	60.0	120
Carbofuran	0.000	< 0.100		0.352	0.400	88.0	60.0	120
Chlorantraniliprole	0.000	< 0.100		0.296	0.400	74.0	60.0	120
Chlorfenapyr	0.000	< 0.500		1.507	2.000	75.4	60.0	120
Chlorpyrifos	0.000	< 0.100		0.291	0.400	72.7	60.0	120
Clofentezane	0.000	< 0.100		0.241	0.400	60.2	60.0	120
Cyfluthrin	0.000	< 0.500		1.332	2.000	66.6	50.0	150
Cypermethrin	0.000	< 0.500		1.389	2.000	69.5	50.0	150
Daminozide	0.000	< 0.500		0.775	2.000	38.8	60.0	120
Diazinon	0.000	< 0.100		0.307	0.400	76.8	60.0	120
Dichlorvos	0.000	< 0.500		1.873	2.000	93.6	60.0	120
Dimethoate	0.000	< 0.100		0.377	0.400	94.2	60.0	120
Ethiofoprofos	0.000	< 0.100		0.323	0.400	80.6	60.0	120
Etofenprox	0.000	< 0.200		0.526	0.800	65.8	50.0	150
Etoxazole	0.000	< 0.100		0.274	0.400	68.6	60.0	120
Fenoxycarb	0.000	< 0.100		0.303	0.400	75.7	60.0	120
Fenproximate	0.000	< 0.200		0.547	0.800	68.4	60.0	120
Fipronil	0.000	< 0.200		0.578	0.800	72.2	60.0	120
Fonicamid	0.000	< 0.250		0.880	1.000	88.0	60.0	120
Fudioxonil	0.000	< 0.200		0.651	0.800	81.4	50.0	150
Hexythiazox	0.000	< 0.250		0.689	1.000	68.9	60.0	120
Imazail	0.000	< 0.100		0.296	0.400	73.9	60.0	120
Imidacloprid	0.000	< 0.200		0.696	0.800	87.0	60.0	120
Kiesoxim-methyl	0.000	< 0.200		0.614	0.800	76.7	60.0	120
Malathion	0.000	< 0.100		0.309	0.400	77.3	60.0	120
Metaxyl	0.000	< 0.100		0.329	0.400	82.3	60.0	120
Methiocarb	0.000	< 0.100		0.327	0.400	81.6	60.0	120
Methomyl	0.000	< 0.200		0.759	0.800	94.8	60.0	120
MCK-264	0.000	< 0.100		0.289	0.400	72.3	50.0	150
Myobutanil	0.000	< 0.100		0.307	0.400	76.7	60.0	120
Naled	0.000	< 0.250		0.814	1.000	81.4	50.0	150
Oxamyl	0.000	< 0.500		1.659	2.000	82.9	60.0	120
Padobutrazole	0.000	< 0.200		0.632	0.800	79.0	60.0	120
Parathion-Methyl	0.000	< 0.100		0.293	0.400	73.4	50.0	150
Permethrin	0.005	< 0.100		0.271	0.400	67.7	50.0	150
Phosmet	0.000	< 0.100		0.316	0.400	79.0	50.0	150
Piperonyl butoxide	0.000	< 0.500		1.444	2.000	72.2	60.0	120
Prallethrin	0.000	< 0.100		0.302	0.400	75.5	60.0	120
Propiconazole	0.000	< 0.200		0.596	0.800	74.5	60.0	120
Propoxur	0.005	< 0.100		0.380	0.400	90.0	60.0	120
Pyrethrin (Summe)	0.000	< 0.100		0.346	0.488	70.9	60.0	120
Pyridaben	0.000	< 0.100		0.275	0.400	68.7	50.0	150
Spinosad	0.000	< 0.100		0.277	0.388	71.3	50.0	150
Spiromesfen	0.000	< 0.100		0.271	0.400	67.9	60.0	120
Spirotetramat	0.000	< 0.100		0.302	0.400	75.5	60.0	120
Spiroxamine	0.000	< 0.200		0.604	0.800	75.5	60.0	120
Tebuconazole	0.000	< 0.200		0.590	0.800	73.8	60.0	120
Thiadoprid	0.000	< 0.100		0.350	0.400	87.5	60.0	120
Thiamethoxam	0.000	< 0.100		0.346	0.400	86.6	60.0	120
Trifloxystrobin	0.000	< 0.100		0.288	0.400	72.0	60.0	120

Q6

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400



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Revision: 3 Document ID: 3120  
LegacyID: CFLC21WorksheetValidated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg				Batch ID 2300719				Sample ID: 230004950001
Matrix Spk/Matrix Spke Duplicate Recoveries	Result	MS Res	MSD Res	Spike	PPD%	Limit	MS % Re	MSD % Re	Limits	Notes
Abamectin	0.00	0.822	0.853	1.000	3.8%	< 30	82.2%	85.3%	50 - 150	
Acephate	0.00	0.971	1.039	0.800	6.7%	< 30	121.4%	129.8%	50 - 150	
Acequinocyl	0.00	2.167	2.457	4.000	12.3%	< 30	54.2%	61.4%	50 - 150	
Acetamiprid	0.012	0.485	0.488	0.400	0.7%	< 30	118.2%	119.0%	50 - 150	
Aldicarb	0.00	0.911	0.878	0.800	3.7%	< 30	113.9%	109.8%	50 - 150	
Azoxystrobin	0.006	0.406	0.390	0.400	4.0%	< 30	99.9%	96.1%	50 - 150	
Bifenazate	0.00	0.395	0.393	0.400	0.4%	< 30	98.7%	98.3%	50 - 150	
Bifenthrin	0.00	0.230	0.270	0.400	15.9%	< 30	57.5%	67.5%	50 - 150	
Boscalid	0.00	0.825	0.833	0.800	1.0%	< 30	103.1%	104.2%	50 - 150	
Carbaryl	0.00	0.461	0.446	0.400	3.3%	< 30	115.1%	111.4%	50 - 150	
Carbofuran	0.00	0.495	0.489	0.400	1.3%	< 30	123.5%	122.2%	50 - 150	
Chlorantraniliprole	0.00	0.435	0.406	0.400	7.0%	< 30	108.8%	101.4%	50 - 150	
Chlorfenapyr	0.00	1.859	1.933	2.000	3.9%	< 30	93.0%	96.6%	50 - 150	
Chlorpyrifos	0.00	0.405	0.403	0.400	0.4%	< 30	101.3%	100.8%	50 - 150	
Clofentezine	0.00	0.391	0.401	0.400	2.5%	< 30	97.8%	100.3%	50 - 150	
Cyfluthrin	0.00	0.442	0.522	2.000	16.7%	< 30	22.1%	26.1%	30 - 150	Q
Cypermethrin	0.00	0.514	0.582	2.000	12.5%	< 30	25.7%	29.1%	50 - 150	Q
Daminozide	0.007	1.822	1.899	2.000	4.2%	< 30	90.7%	94.6%	30 - 150	
Diazinon	0.00	0.380	0.394	0.400	3.6%	< 30	95.0%	98.5%	50 - 150	
Dichlorvos	0.00	2.244	2.260	2.000	0.7%	< 30	112.2%	113.0%	50 - 150	
Dimethoate	0.00	0.421	0.434	0.400	3.1%	< 30	105.2%	108.5%	50 - 150	
Disulfophos	0.00	0.375	0.384	0.400	2.4%	< 30	93.8%	96.0%	50 - 150	
Etofenprox	0.00	0.605	0.635	0.800	4.7%	< 30	75.7%	79.4%	50 - 150	
Etoxazole	0.00	0.321	0.323	0.400	0.6%	< 30	80.2%	80.8%	50 - 150	
Fenoxycarb	0.00	0.405	0.411	0.400	1.1%	< 30	101.5%	102.7%	50 - 150	
Fenpyroximate	0.00	0.255	0.263	0.800	3.1%	< 30	31.9%	32.9%	50 - 150	Q
Fipronil	0.00	0.757	0.724	0.800	4.4%	< 30	94.6%	90.5%	50 - 150	
Fonicamid	0.00	0.910	0.876	1.000	3.9%	< 30	91.0%	87.6%	50 - 150	
Fludioxonil	0.00	0.860	0.893	0.800	3.7%	< 30	107.6%	111.7%	50 - 150	
Hexythiazox	0.00	1.115	1.085	1.000	2.7%	< 30	111.5%	108.5%	50 - 150	
Imazalil	0.00	0.409	0.420	0.400	2.5%	< 30	102.3%	105.0%	50 - 150	
Imidacloprid	0.00	0.604	0.614	0.800	1.7%	< 30	75.4%	76.7%	50 - 150	
Kiesoxim-methyl	0.00	0.801	0.805	0.800	0.5%	< 30	100.1%	100.6%	50 - 150	
Malathion	0.00	0.401	0.405	0.400	1.2%	< 30	100.1%	101.3%	50 - 150	
Metaxyl	0.00	0.395	0.403	0.400	1.9%	< 30	99.0%	100.8%	50 - 150	
Methiocarb	0.00	0.367	0.360	0.400	2.0%	< 30	91.8%	90.0%	50 - 150	
Methomyl	0.00	0.742	0.763	0.800	2.8%	< 30	92.7%	95.4%	50 - 150	
MCK-264	0.00	0.398	0.403	0.400	1.4%	< 30	99.4%	100.8%	50 - 150	
Mydobutani	0.00	0.499	0.478	0.400	4.4%	< 30	124.8%	119.5%	50 - 150	
Naled	0.00	1.075	1.021	1.000	5.1%	< 30	107.5%	102.1%	50 - 150	
Oxaryl	0.00	1.759	1.805	2.000	2.6%	< 30	88.0%	90.2%	50 - 150	
Padobutrazole	0.00	0.939	0.905	0.800	3.5%	< 30	117.3%	113.3%	50 - 150	
Parathion-Methyl	0.00	0.351	0.333	0.400	5.1%	< 30	87.7%	83.4%	30 - 150	
Permethrin	0.003	0.254	0.269	0.400	5.9%	< 30	62.7%	66.5%	50 - 150	
Phosmet	0.00	0.397	0.398	0.400	0.2%	< 30	99.2%	99.4%	50 - 150	
Piperonyl butoxide	0.00	2.059	2.054	2.000	0.3%	< 30	103.0%	102.7%	50 - 150	
Prallethrin	0.00	0.407	0.431	0.400	5.8%	< 30	101.7%	107.8%	50 - 150	
Propiconazole	0.00	0.827	0.816	0.800	1.3%	< 30	103.3%	102.0%	50 - 150	
Propoxur	0.00	0.471	0.475	0.400	0.9%	< 30	117.7%	118.8%	50 - 150	
Pyrethrin (Summe)	0.00	0.323	0.337	0.488	4.2%	< 30	66.1%	69.0%	50 - 150	
Pyridaben	0.00	0.251	0.259	0.400	3.0%	< 30	62.8%	64.6%	50 - 150	
Spiromesaf	0.00	0.389	0.377	0.388	3.3%	< 30	100.3%	97.1%	50 - 150	
Spiromesfen	0.00	0.358	0.368	0.400	2.9%	< 30	89.4%	92.0%	50 - 150	
Spirotetramat	0.00	0.440	0.444	0.400	0.9%	< 30	109.9%	110.9%	50 - 150	
Spiroxamine	0.00	0.803	0.831	0.800	3.4%	< 30	100.4%	103.9%	50 - 150	
Tebuconazole	0.00	0.789	0.778	0.800	1.5%	< 30	98.6%	97.2%	50 - 150	
Thiadoprid	0.00	0.423	0.421	0.400	0.4%	< 30	105.7%	105.3%	50 - 150	
Thiamethoxam	0.00	0.335	0.355	0.400	5.8%	< 30	84.0%	89.0%	50 - 150	
Trifloxystrobin	0.00	0.392	0.392	0.400	0.0%	< 30	98.0%	98.0%	50 - 150	



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Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.