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## BlackStack Brewing

755 Prior Ave N, STE 110 Saint Paul, MN 55104 bella.ludwig@blackstackbrewing.com (651) 373-5663 Sample: 2410AIT1332.2741

Strain: N/A

Batch#: 10/10/2024; Batch Size: g

Sample Received: 10/13/2024; Report Created: 10/21/2024

#### Real Trees: Strawberry Kiwi

Ingestible, Beverage





0.002%

9.2 mg/container 4.6 mg/serving

**Total THC** 

<LOQ

<LOQ <LOQ

**Total CBD** 

0.002%

9.2 mg/container 4.6 mg/serving

**Total Cannabinoids** 

Cannabinoids Date Tested: 10/14/2024

Analytes	%	mg/g	mg/ml	mg/serving	LOQ
CBC	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<>	<loq< td=""><td>0.001</td></loq<>	0.001
CBD	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<>	<loq< td=""><td>0.001</td></loq<>	0.001
CBDa	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<>	<loq< td=""><td>0.001</td></loq<>	0.001
CBDV	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<>	<loq< td=""><td>0.001</td></loq<>	0.001
CBG	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<>	<loq< td=""><td>0.001</td></loq<>	0.001
CBGa	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<>	<loq< td=""><td>0.001</td></loq<>	0.001
CBL	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<>	<loq< td=""><td>0.001</td></loq<>	0.001
CBN	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<>	<loq< td=""><td>0.001</td></loq<>	0.001
Δ8-ΤΗС	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<>	<loq< td=""><td>0.001</td></loq<>	0.001
Δ9-ΤΗС	0.002	0.020	0.020	4.620	0.001
THCa	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<>	<loq< td=""><td>0.001</td></loq<>	0.001
THCVa	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td>0.001</td></loq<></td></loq<>	<loq< td=""><td>0.001</td></loq<>	0.001

Method: HPLC
Total THC = THCa \* 0.877 + Δ9-THC
Total CBD = CBDa \* 0.877 + CBD
Summary

Total Cannabinoids represents the sum of all cannabinoids in the table above. Results are reported on a dry weight basis: Cannabinoid % / (1.0 - moisture content % / 100) = Dry weight cannabinoids % LOQ = Limit of Quantitation

**Residual Solvents** 

**Pass** 

Pass

Heavy Metals

Pass

**Pesticides** 

**Pass** 

Mycotoxins

Pass

Microbials

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SPRING 2021

POTENCY IN HEMP BUD

Adams Independent Testing

GREA A

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SO/IEC 17028





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Sample: 2410AIT1332.2741

Strain: N/A

Batch#: 10/10/2024; Batch Size: g

Sample Received: 10/13/2024; Report Created: 10/21/2024

### Real Trees: Strawberry Kiwi

Ingestible, Beverage



**Microbials** 

Date Tested: 10/17/2024

Analyte	Limit Result	Status
	CFU/g CFU/g	
Yeast & Mold	1000 <loq< td=""><td>Not Present</td></loq<>	Not Present
Salmonella	1 Not Detected	Not Present
Shiga Toxin-producing E. coli (STEC)	1 Not Detected	Not Present
Aerobic Bacteria	10000 <loq< td=""><td>Not Present</td></loq<>	Not Present
Bile-Tolerant Gram-Negative Bacteria	100 <loq< td=""><td>Not Present</td></loq<>	Not Present



Method: qPCR

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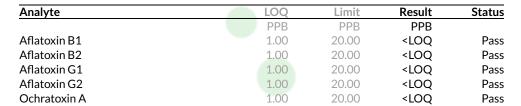
#### Real Trees: Strawberry Kiwi

Ingestible, Beverage



Mycotoxins Pass

Date Tested: 10/17/2024





Method: LCMS

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Analytical Chemist

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Measurement Uncertainty is not used for pass/fail conditions but available upon request.



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Sample Received: 10/13/2024; Report Created: 10/21/2024

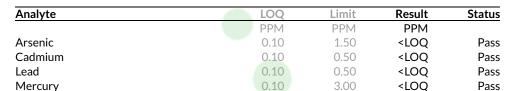
#### Real Trees: Strawberry Kiwi

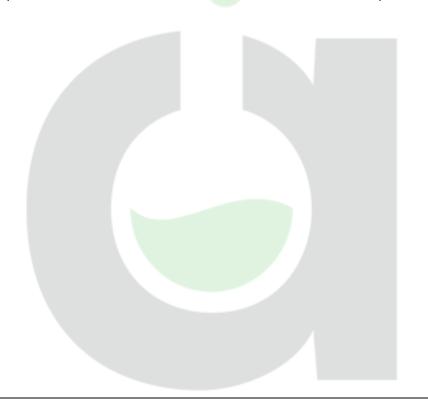
Ingestible, Beverage



Heavy Metals Pass

Date Tested: 10/17/2024





Method: ICPMS

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Strain: N/A

Batch#: 10/10/2024; Batch Size: g

Sample Received: 10/13/2024; Report Created: 10/21/2024

#### Real Trees: Strawberry Kiwi

Ingestible, Beverage



**Pesticides** 

Date Tested: 10/17/2024

Abamectin         0.01         0.50         <           Acephate         0.01         0.40         <           Acequinocyl         0.01         2.00         <           Acetamiprid         0.01         0.20         <           Aldicarb         0.01         0.40         <           Azoxystrobin         0.01         0.20         <           Bifenazate         0.01         0.20         <           Bifenthrin         0.01         0.20         <           Boscalid         0.01         0.40         <           Carbaryl         0.01         0.20         <           Carbofuran         0.01         0.20         <           Chlorantraniliprole         0.01         0.20         <	PPM	
Acephate       0.01       0.40       <	FFIVI	
Acequinocyl       0.01       2.00       <	LOQ	Pass
Acetamiprid       0.01       0.20       <	LOQ	Pass
Aldicarb       0.01       0.40       <	LOQ	Pass
Azoxystrobin       0.01       0.20       <	LOQ	Pass
Bifenazate       0.01       0.20       <	LOQ	Pass
Bifenthrin       0.01       0.20       <	LOQ	Pass
Boscalid         0.01         0.40         <	LOQ	Pass
Carbaryl       0.01       0.20       <	LOQ	Pass
Carbofuran         0.01         0.20         <	LOQ	Pass
Chlorantraniliprole 0.01 0.20 <	LOQ	Pass
	LOQ	Pass
Chlorfenapyr 0.01 1.00 <	LOQ	Pass
	LOQ	Pass
Chlorpyrifos 0.01 0.20 <	LOQ	Pass
Clofentezine 0.01 0.20 <	LOQ	Pass
Cyfluthrin 0.01 1.00 <	LOQ	Pass
Cypermethrin 0.01 1.00 <	LOQ	Pass
Daminozide 0.01 1.00 <	LOQ	Pass
DDVP 0.01 1.00 <	LOQ	Pass
Diazinon 0.01 0.20 <	LOQ	Pass
Dimethoate 0.01 0.20 <	LOQ	Pass
Ethoprophos 0.01 0.20 <	LOQ	Pass
Etofenprox 0.01 0.40 <	LOQ	Pass
Etoxazole 0.01 0.20 <	LOQ	Pass
Fenoxycarb 0.01 0.20 <		

Methods: LCMS and GCMS

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#### Real Trees: Strawberry Kiwi

Ingestible, Beverage



**Pesticides** 

Date Tested: 10/17/2024

Analyte	LOQ	Limit	Result	Status
	PPM	PPM	PPM	
Fenpyroximate	0.01	0.40	<loq< td=""><td>Pass</td></loq<>	Pass
Fipronil	0.01	0.40	<loq< td=""><td>Pass</td></loq<>	Pass
Flonicamid	0.01	1.00	<loq< td=""><td>Pass</td></loq<>	Pass
Fludioxonil	0.01	0.40	<loq< td=""><td>Pass</td></loq<>	Pass
Hexythiazox	0.01	1.00	<loq< td=""><td>Pass</td></loq<>	Pass
Imazalil	0.01	0.20	<loq< td=""><td>Pass</td></loq<>	Pass
Imidacloprid	0.01	0.40	<loq< td=""><td>Pass</td></loq<>	Pass
Kresoxim Methyl	0.01	0.40	<loq< td=""><td>Pass</td></loq<>	Pass
Malathion	0.01	0.20	<loq< td=""><td>Pass</td></loq<>	Pass
Metalaxyl	0.01	0.20	<loq< td=""><td>Pass</td></loq<>	Pass
Methiocarb	0.01	0.20	<loq< td=""><td>Pass</td></loq<>	Pass
Methomyl	0.01	0.40	<loq< td=""><td>Pass</td></loq<>	Pass
Methyl Parathion	0.01	0.20	<loq< td=""><td>Pass</td></loq<>	Pass
MGK-264	0.01	0.20	<loq< td=""><td>Pass</td></loq<>	Pass
Myclobutanil	0.01	0.20	<loq< td=""><td>Pass</td></loq<>	Pass
Naled	0.01	0.50	<loq< td=""><td>Pass</td></loq<>	Pass
Oxamyl	0.01	1.00	<loq< td=""><td>Pass</td></loq<>	Pass
Paclobutrazol	0.01	0.40	<loq< td=""><td>Pass</td></loq<>	Pass
Permethrins	0.01	0.20	<loq< td=""><td>Pass</td></loq<>	Pass
Phosmet	0.01	0.20	<loq< td=""><td>Pass</td></loq<>	Pass
Piperonyl Butoxide	0.01	2.00	<loq< td=""><td>Pass</td></loq<>	Pass
Prallethrin	0.01	0.20	<loq< td=""><td>Pass</td></loq<>	Pass
Propiconazole	0.01	0.40	<loq< td=""><td>Pass</td></loq<>	Pass
Propoxur	0.01	0.20	<loq< td=""><td>Pass</td></loq<>	Pass
Pyrethrins	0.01	1.00	<loq< td=""><td>Pass</td></loq<>	Pass

Methods: LCMS and GCMS

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Batch#: 10/10/2024; Batch Size: g

Sample Received: 10/13/2024; Report Created: 10/21/2024

### Real Trees: Strawberry Kiwi

Ingestible, Beverage



**Pesticides** 

Date Tested: 10/17/2024

Analyte	LOQ	Limit	Result	Status
	PPM	PPM	PPM	
Pyridaben	0.01	0.20	<loq< td=""><td>Pass</td></loq<>	Pass
Spinosad	0.01	0.20	<loq< td=""><td>Pass</td></loq<>	Pass
Spiromesifen	0.01	0.20	<loq< td=""><td>Pass</td></loq<>	Pass
Spirotetramat	0.01	0.20	<loq< th=""><th>Pass</th></loq<>	Pass
Spiroxamine	0.01	0.40	<loq< th=""><th>Pass</th></loq<>	Pass
Tebuconazole	0.01	0.40	<loq< th=""><th>Pass</th></loq<>	Pass
Thiacloprid	0.01	0.20	<loq< th=""><th>Pass</th></loq<>	Pass
Thiamethoxam	0.01	0.20	<loq< th=""><th>Pass</th></loq<>	Pass
Trifloxystrobin	0.01	0.20	<loq< th=""><th>Pass</th></loq<>	Pass

Methods: LCMS and GCMS

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Strain: N/A

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Sample Received: 10/13/2024; Report Created: 10/21/2024

### Real Trees: Strawberry Kiwi

Ingestible, Beverage



Residual Solvents Pass

Date Tested: 10/17/2024

Analyte	LOQ	Limit	Result	Status
	PPM	PPM	PPM	
1,4-Dioxane	71.250	380.000	<loq< th=""><th>Pass</th></loq<>	Pass
2-Butanol	437.500	5000.000	<loq< th=""><th>Pass</th></loq<>	Pass
2-Ethoxy-Ethanol	30.000	160.000	<loq< th=""><th>Pass</th></loq<>	Pass
2-Propanol IPA	437.500	5000.000	<loq< td=""><td>Pass</td></loq<>	Pass
Acetone	437.500	5000.000	<loq< th=""><th>Pass</th></loq<>	Pass
Acetonitrile	76.880	410.000	<loq< th=""><th>Pass</th></loq<>	Pass
Benzene	0.375	2.000	<loq< th=""><th>Pass</th></loq<>	Pass
Butanes	156.300	5000.000	<loq< th=""><th>Pass</th></loq<>	Pass
Cumene	13.130	70.000	<loq< td=""><td>Pass</td></loq<>	Pass
Cyclohexane	727.500	3880.000	<loq< th=""><th>Pass</th></loq<>	Pass
Dichloromethane	112.500	600.000	<loq< th=""><th>Pass</th></loq<>	Pass
Ethanol	437.500	5000.000	<loq< th=""><th>Pass</th></loq<>	Pass
Ethyl-Acetate	437.500	5000.000	<loq< th=""><th>Pass</th></loq<>	Pass
Ethyl-Ether	437.500	5000.000	<loq< th=""><th>Pass</th></loq<>	Pass
Ethylene Glycol	116.300	620.000	<loq< th=""><th>Pass</th></loq<>	Pass
Ethylene Oxide	9.375	50.000	<loq< th=""><th>Pass</th></loq<>	Pass
Heptane	437.500	5000.000	<loq< th=""><th>Pass</th></loq<>	Pass
Hexanes	217.500	290.000	<loq< th=""><th>Pass</th></loq<>	Pass
Isopropyl-Acetate	437.500	5000.000	<loq< th=""><th>Pass</th></loq<>	Pass
Methanol	312.500	3000.000	<loq< th=""><th>Pass</th></loq<>	Pass
Pentanes	953.100	5000.000	<loq< th=""><th>Pass</th></loq<>	Pass
Propane	31.250	5000.000	<loq< th=""><th>Pass</th></loq<>	Pass
Tetrahydrofuran	135.000	720.000	<loq< th=""><th>Pass</th></loq<>	Pass
Toluene	166.900	890.000	<loq< th=""><th>Pass</th></loq<>	Pass
Xylenes	1221.000	2170.000	<loq< th=""><th>Pass</th></loq<>	Pass

Method: GCMS (Headspace)

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SPRING 20/21

RESIDUAL SOLVENTS
IN HEMP OIL

Adams Independent Testing
NOTE OFFICE

Jel Hard

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Analytical Chemist
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