

Saint Paul Brewing

688 Minnehaha Ave E
Saint Paul, MN 55106
bob@stpaulbrewing.com
(612) 384-9238

Sample: 2310AIT0690.1575

Strain: n/a
Batch#: ; Batch Size: g
Sample Received: 10/31/2023; Report Created: 11/10/2023

Citrus River

Ingestible, Beverage



0.001%
5.5 mg/serving
Total THC

<LOQ
<LOQ
Total CBD

0.001%
5.5 mg/serving
Total Cannabinoids

Cannabinoids

Date Tested: 11/01/2023

Analytes	%	mg/g	mg/ml	mg/serving	LOQ
CBC	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBD	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBDa	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBDV	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBG	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBGa	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBL	<LOQ	<LOQ	<LOQ	<LOQ	0.001
CBN	<LOQ	<LOQ	<LOQ	<LOQ	0.001
Δ8-THC	<LOQ	<LOQ	<LOQ	<LOQ	0.001
Δ9-THC	0.001	0.012	0.012	5.512	0.001
THCa	<LOQ	<LOQ	<LOQ	<LOQ	0.001
THCVa	<LOQ	<LOQ	<LOQ	<LOQ	0.001

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

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

Summary

Pass Residual Solvents	Pass Pesticides
Pass Mycotoxins	Pass Heavy Metals
	Fail Microbials

4150 98th Ave S
Fargo, ND
(888) 897-4367
www.hempinspection.com



John Schmidt

John Schmidt
Analytical Chemist



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Microbials

Fail

Date Tested: 11/06/2023

Analyte	Limit	Units	Status
Aerobic Bacteria	1	CFU/g	NT
Bile-Tolerant Gram-Negative Bacteria	1	NR	NT
Coliforms	1	NR	NT
E. Coli	1	Not Detected	Not Present
Salmonella	1	Not Detected	Not Present
Yeast & Mold	1000	437855	Present

Method: qPCR

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Mycotoxins

Pass

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Analyte	LOQ	Limit	Units	Status
	PPB	PPB	PPB	
Aflatoxin B1	1.00	20.00	<LOQ	Pass
Aflatoxin B2	1.00	20.00	<LOQ	Pass
Aflatoxin G1	1.00	20.00	<LOQ	Pass
Aflatoxin G2	1.00	20.00	<LOQ	Pass
Ochratoxin A	1.00	20.00	<LOQ	Pass

Method: LCMS

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Heavy Metals

Pass

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Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Arsenic	0.10	1.50	<LOQ	Pass
Cadmium	0.10	0.50	<LOQ	Pass
Lead	0.10	0.50	<LOQ	Pass
Mercury	0.10	3.00	<LOQ	Pass



Method: ICPMS



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Pesticides

Pass

Date Tested: 11/03/2023

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Abamectin	0.01	0.50	<LOQ	Pass
Acephate	0.01	0.40	<LOQ	Pass
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
Chlorfenapyr	0.01	1.00	<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	<LOQ	Pass

Methods: LCMS and GCMS

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Pesticides

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

Methods: LCMS and GCMS

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Pesticides

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Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Pyridaben	0.01	0.20	<LOQ	Pass
Spinosad	0.01	0.20	<LOQ	Pass
Spiromesifen	0.01	0.20	<LOQ	Pass
Spirotetramat	0.01	0.20	<LOQ	Pass
Spiroxamine	0.01	0.40	<LOQ	Pass
Tebuconazole	0.01	0.40	<LOQ	Pass
Thiacloprid	0.01	0.20	<LOQ	Pass
Thiamethoxam	0.01	0.20	<LOQ	Pass
Trifloxystrobin	0.01	0.20	<LOQ	Pass

Methods: LCMS and GCMS

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Residual Solvents

Pass

Date Tested: 11/10/2023

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
1,4-Dioxane	71.250	380.000	<LOQ	Pass
2-Butanol	437.500	5000.000	<LOQ	Pass
2-Ethoxy-Ethanol	30.000	160.000	<LOQ	Pass
2-Propanol IPA	437.500	5000.000	<LOQ	Pass
Acetone	437.500	5000.000	<LOQ	Pass
Acetonitrile	76.880	410.000	<LOQ	Pass
Benzene	0.375	2.000	<LOQ	Pass
Butanes	156.300	5000.000	<LOQ	Pass
Cumene	13.130	70.000	<LOQ	Pass
Cyclohexane	727.500	3880.000	<LOQ	Pass
Dichloromethane	112.500	600.000	<LOQ	Pass
Ethanol	437.500	5000.000	1523.122	Pass
Ethyl-Acetate	437.500	5000.000	<LOQ	Pass
Ethyl-Ether	437.500	5000.000	<LOQ	Pass
Ethylene Glycol	116.300	620.000	<LOQ	Pass
Ethylene Oxide	9.375	50.000	<LOQ	Pass
Heptane	437.500	5000.000	<LOQ	Pass
Hexanes	217.500	290.000	<LOQ	Pass
Isopropyl-Acetate	437.500	5000.000	<LOQ	Pass
Methanol	312.500	3000.000	<LOQ	Pass
Pentanes	953.100	5000.000	<LOQ	Pass
Propane	31.250	5000.000	<LOQ	Pass
Tetrahydrofuran	135.000	720.000	<LOQ	Pass
Toluene	166.900	890.000	<LOQ	Pass
Xylenes	1221.000	2170.000	<LOQ	Pass

Method: GCMS (Headspace)

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