

## Broad Spectrum Distillate

Sample ID: 2001BSD0091.0206	Produced:	Client
Strain: Broad Spectrum	Collected:	<b>Bio-Reigns, Inc</b>
Matrix: Concentrates & Extracts	Received: 01/21/2020	Lic. #
Type: Distillate	Completed: 01/30/2020	1451 Edinger #D
Sample Size: 1 units; Batch: 1 units	Batch#: BS-01212020	Tustin, CA 92780



### Summary

Test	Date Tested	Result
Batch		Pass
Cannabinoids	01/21/2020	Complete
Residual Solvents	01/21/2020	Pass
Microbials	01/23/2020	Pass
Mycotoxins	01/21/2020	Pass
Pesticides	01/21/2020	Pass
Heavy Metals	01/21/2020	Pass
Foreign Matter	01/21/2020	Pass

### Cannabinoids by HPLC-UV

Complete

<b>ND</b> Total THC	<b>91.47%</b> Total CBD	<b>93.25%</b> Total Cannabinoids
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Analyte	LOQ	LOD	Result	Result
	%	%	%	mg/g
THCa	0.00025	0.0001	ND	ND
Δ9-THC	0.00025	0.0001	ND	ND
Δ8-THC	0.00025	0.0001	ND	ND
THCV	0.00025	0.0001	ND	ND
CBDa	0.00025	0.0001	ND	ND
CBD	0.00025	0.0001	91.47	914.7
CBDV	0.00025	0.0001	ND	ND
CBN	0.00025	0.0001	0.47	4.7
CBGa	0.00025	0.0001	ND	ND
CBG	0.00025	0.0001	0.21	2.1
CBC	0.00025	0.0001	1.09	10.9
<b>Total THC</b>			<b>ND</b>	<b>ND</b>
<b>Total CBD</b>			<b>91.47</b>	<b>914.7</b>
<b>Total</b>			<b>93.25</b>	<b>932.5</b>

LOQ is set to .3%

Total THC = THCa \* 0.877 + Δ9-THC; Total CBD = CBDa \* 0.877 + CBD

LOQ = Limit of Quantitation, LOD = Limit of Detection, NR = Not Reported, NT = Not Tested, ND = Not Detected; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

ND means not detected by the level of detection <0.00%.

<b>Not Tested</b> Moisture Content by Moisture Analyzer	<b>NT</b> <i>Not Tested</i> Water Activity by Hygrometer	<b>Pass</b> Foreign Matter by Magnifying Glass
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01/30/2020

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### Pesticides by LCMS/MS & GCMS/MS

Pass

Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.01	0.1	0.1	ND	Pass	Fludioxonil	0.01	0.1	0.1	ND	Pass
Acephate	0.01	0.1	0.1	ND	Pass	Hexythiazox	0.01	0.1	0.1	ND	Pass
Acequinocyl	0.01	0.1	0.1	ND	Pass	Imazalil	0.01	0.1	0.01	ND	Pass
Acetamiprid	0.01	0.1	0.1	ND	Pass	Imidacloprid	0.01	0.1	5	ND	Pass
Aldicarb	0.01	0.1	0.01	ND	Pass	Kresoxim Methyl	0.01	0.1	0.1	ND	Pass
Azoxystrobin	0.01	0.1	0.1	ND	Pass	Malathion	0.01	0.1	0.5	ND	Pass
Bifenazate	0.01	0.1	0.1	ND	Pass	Metalaxyl	0.01	0.1	2	ND	Pass
Bifenthrin	0.01	0.1	3	ND	Pass	Methiocarb	0.01	0.1	0.01	ND	Pass
Boscalid	0.01	0.1	0.1	ND	Pass	Methomyl	0.01	0.1	1	ND	Pass
Captan	0.01	0.1	0.7	ND	Pass	Mevinphos	0.01	0.1	0.01	ND	Pass
Carbaryl	0.01	0.1	0.5	ND	Pass	Myclobutanil	0.01	0.1	0.1	ND	Pass
Carbofuran	0.01	0.1	0.01	ND	Pass	Naled	0.01	0.1	0.1	ND	Pass
Chlorantraniliprole	0.01	0.1	10	ND	Pass	Oxamyl	0.01	0.1	0.5	ND	Pass
Chlordane	0.01	0.1	0.01	ND	Pass	Paclobutrazol	0.01	0.1	0.01	ND	Pass
Chlorfenapyr	0.01	0.1	0.01	ND	Pass	Parathion Methyl	0.01	0.1	0.01	ND	Pass
Chlorpyrifos	0.01	0.1	0.01	ND	Pass	Pentachloronitrobenzene	0.01	0.1	0.1	ND	Pass
Clofentezine	0.01	0.1	0.1	ND	Pass	Permethrin	0.01	0.1	0.5	ND	Pass
Coumaphos	0.01	0.1	0.01	ND	Pass	Phosmet	0.01	0.1	0.1	ND	Pass
Cyfluthrin	0.01	0.1	2	ND	Pass	Piperonyl Butoxide	0.01	0.1	3	ND	Pass
Cypermethrin	0.01	0.1	1	ND	Pass	Prallethrin	0.01	0.1	0.1	ND	Pass
Daminozide	0.01	0.1	0.01	ND	Pass	Propiconazole	0.01	0.1	0.1	ND	Pass
Diazinon	0.01	0.1	0.1	ND	Pass	Propoxur	0.01	0.1	0.01	ND	Pass
Dichlorvos	0.01	0.1	0.01	ND	Pass	Pyrethrins	0.01	0.1	0.5	ND	Pass
Dimethoate	0.01	0.1	0.01	ND	Pass	Pyridaben	0.01	0.1	0.1	ND	Pass
Dimethomorph	0.01	0.1	2	ND	Pass	Spinetoram	0.01	0.1	0.1	ND	Pass
Ethoprophos	0.01	0.1	0.01	ND	Pass	Spinosad	0.01	0.1	0.1	ND	Pass
Etofenprox	0.01	0.1	0.01	ND	Pass	Spiromesifen	0.01	0.1	0.1	ND	Pass
Etoxazole	0.01	0.1	0.1	ND	Pass	Spirotetramat	0.01	0.1	0.1	ND	Pass
Fenhexamid	0.01	0.1	0.1	ND	Pass	Spiroxamine	0.01	0.1	0.01	ND	Pass
Fenoxycarb	0.01	0.1	0.01	ND	Pass	Tebuconazole	0.01	0.1	0.1	ND	Pass
Fenpyroximate	0.01	0.1	0.1	ND	Pass	Thiacloprid	0.01	0.1	0.01	ND	Pass
Fipronil	0.01	0.1	0.01	ND	Pass	Thiamethoxam	0.01	0.1	5	ND	Pass
Flonicamid	0.01	0.1	0.1	ND	Pass	Trifloxystrobin	0.01	0.1	0.1	ND	Pass

Date Tested: 01/21/2020

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## Microbials by qPCR

**Pass**

Analyte	Result	Status
Aspergillus flavus	Not Detected in 1g	Pass
Aspergillus fumigatus	Not Detected in 1g	Pass
Aspergillus niger	Not Detected in 1g	Pass
Aspergillus terreus	Not Detected in 1g	Pass
Shiga toxin-producing E. Coli	Not Detected in 1g	Pass
Salmonella SPP	Not Detected in 1g	Pass

Date Tested: 01/23/2020

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## Mycotoxins by LCMS/MS

**Pass**

Analyte	LOD	LOQ	Limit	Units	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
B1	0.5	1		ND	Tested
B2	0.5	1		ND	Tested
G1	0.5	1		ND	Tested
G2	0.5	1		ND	Tested
Total Aflatoxins			20	ND	Pass
Ochratoxin A	0.5	1	20	ND	Pass

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## Heavy Metals by ICP-MS

**Pass**

Analyte	LOD	LOQ	Limit	Units	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.0000697	0.000697	0.2	ND	Pass
Cadmium	0.0001964	0.001964	0.2	ND	Pass
Lead	0.0002727	0.000727	0.5	ND	Pass
Mercury	0.0002221	0.002221	0.1	ND	Pass

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## Residual Solvents by GCMS/MS & GC-FID

**Pass**

Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	0.005	0.01	1	ND	Pass
Acetone	0.005	0.01	5000	ND	Pass
Acetonitrile	0.005	0.01	410	ND	Pass
Benzene	0.005	0.01	1	ND	Pass
Butane	0.005	0.01	5000	ND	Pass
Chloroform	0.005	0.01	1	ND	Pass
Ethanol	0.005	0.01	5000	ND	Pass
Ethyl-Acetate	0.005	0.01	5000	ND	Pass
Ethyl-Ether	0.005	0.01	5000	ND	Pass
Ethylene Oxide	0.005	0.01	1	ND	Pass
Heptane	0.005	0.01	5000	ND	Pass
Isopropanol	0.005	0.01	5000	ND	Pass
Methanol	0.005	0.01	3000	ND	Pass
Methylene-Chloride	0.005	0.01	1	ND	Pass
n-Hexane	0.005	0.01	290	ND	Pass
Pentane	0.005	0.01	5000	ND	Pass
Propane	0.005	0.01	5000	ND	Pass
Toluene	0.005	0.01	890	ND	Pass
Trichloroethene	0.005	0.01	1	ND	Pass
Xylenes	0.005	0.01	2170	ND	Pass

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