

### CERTIFICATE OF INTERNAL ANALYSIS

September 20, 2018

**Batch No:** NO92018-3

**Test ID:** 09202018SH3

**Product SKU:** TOBS15

**Matrix:** 1500 mg, Broad Spectrum Zero THC Distillate Tincture, No Flavor, MCT Oil Carrier

**Date:** September 20, 2018











**Chemical Analyst:** Stephen Hull

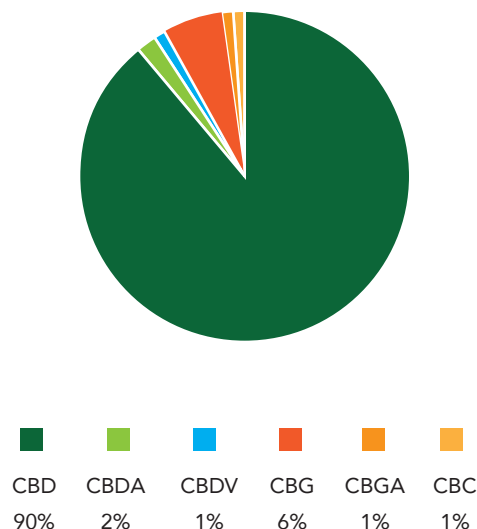


AUTHORIZATION	SIGNATURE	DATE
Charles Clark, Quality Assurance Manager		9/20/2018

Lab sample analyzed for cannabinoid profile and potency by Convergence Chromatography (CC) in accordance with the requirements of ISO/IEC 17025. These test results relate only to the article listed in this report. This report may not be reproduced except in its entirety.

### CANNABINOID POTENCY RESULTS

Cannabinoid	Weight (%)	(mg/mL)
 CBD	0.90	22.5
 CBDA	0.02	0.5
 CBDV	0.01	0.25
 CBGA	0.01	0.25
 CBG	0.06	1.5
 CBN	ND*	0.0
 CBC	0.01	0.25
 THCA	ND*	0.0
 THCV	ND*	0.0
 Δ9-THC	ND*	0.0
<b>MAX THC</b>	0.0	0.0
<b>MAX CBD</b>	0.90	22.94
<b>TOTAL ACTIVE</b>	1.00	25



**Max THC** (and **Max CBD**) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation:  $\text{Max THC} = (0.877 \times \text{THCA}) + \text{THC}$ .

\*ND = None detected above the Lowest Limits of Detection (LLD).

### RESIDUAL SOLVENTS ANALYSIS

<b>Propane:</b> ND*	<b>Pentane:</b> ND*
<b>Isobutane:</b> ND*	<b>Isopropanol:</b> ND*
<b>Butane:</b> ND*	<b>Hexane:</b> ND*
<b>Ethanol:</b> ND*	<b>Acetone:</b> ND*

### HEAVY METALS ANALYSIS

<b>Cadmium:</b> ND*
<b>Lead:</b> ND*
<b>Arsenic:</b> ND*
<b>Mercury:</b> ND*

\*ND = None detected above the Lowest Limits of Detection (LLD)

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**MYCOTOXIN TESTING RESULTS**

TEST ID	RESULTS	MDL	LIMITS	STATUS
Total Aflatoxin	<MDL	3 ppb	<20 ppb	PASS
Total Ochratoxin	<MDL	2 ppb	<20 ppb	PASS

**PESTICIDE ANALYSIS**

Lab sample analyzed for pesticides using Liquid Chromatography with Mass Spectrometric detection (LC/MS/MS). The method used for sample preparation was based on the European method for pesticide analysis (EN 15662).

ANALYTE	CAS	RESULT	UNITS	LLD	LIMITS (PPB)*	STATUS
Abamectin	71751-41-2	ND	ppb	0.2	10	PASS
Azoxystrobin	131860-33-8	ND	ppb	0.1	10	PASS
Bifenazate	149877-41-8	ND	ppb	0.1	10	PASS
Bifenthrin	82657-04-3	ND	ppb	0.2	10	PASS
Cyfluthrin	68359-37-5	ND	ppb	0.5	10	PASS
Daminozide	1596-84-5	ND	ppb	10	10	PASS
Dichlorvos	62-73-7	ND	ppb	3	10	PASS
Etoxazole	153233-91-1	ND	ppb	0.1	10	PASS
Fenoxycarb	72490-01-8	ND	ppb	0.1	10	PASS
Imazalil	35554-44-0	ND	ppb	0.1	10	PASS
Imidacloprid	138261-41-3	ND	ppb	0.1	10	PASS
Myclobutanil	88671-89-0	ND	ppb	0.1	10	PASS
Paclobutrazol	76738-62-0	ND	ppb	0.1	10	PASS
Piperonyl butoxide	51-03-6	ND	ppb	0.1	10	PASS
Pyrethrin	8003-34-7	ND	ppb	0.1	10	PASS
Spinosad	168316-95-8	ND	ppb	0.1	10	PASS
Spiromesifen	283594-90-1	ND	ppb	0.1	10	PASS
Spirotetramat	203316-25-1	ND	ppb	0.1	10	PASS
Trifloxystrobin	141517-21-7	ND	ppb	0.1	10	PASS

\* Testing limits established by the Colorado Department of Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Colorado Registered Medical Marijuana Dispensaries, Exhibit 5. ND indicates "None Detected" above the Lowest Limits of Detection (LLD). Analytes marked with (\*) indicate analytes for which no recovery was observed for a pre-spiked matrix sample.