Certificate ID: **25081**

Client Sample ID: **IS121917**

Matrix: **Concentrates/Extracts - CO2**

Date Received: **12/22/2017**

Medterra CBD

95 NE 4th Ave, SUITE 100

Delray Beach, FL 33483

Attn: J.P. Larsen

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

Authorization:	Signature:	Date:
Matthew Silva, Chemical Engineer	*[signature]*	12/29/2017

CN: Cannabinoid Profile & Potency [WI-10-04]   *Analyst: JDP*   *Test Date: 12/29/2017*

The client sample was analyzed for plant-based cannabinoids by Convergence Chromatography (CC). The collected data was compared to data collected for certified reference standards at known concentrations.

25081-CN

		99.66	0.17						
-	-	CBD	CBDV	-	-	-	-	-	-
Δ9-THC	THCV			CBG	CBC	CBN	THCA	CBDA	CBGA

ID	Weight %	Conc.
Δ9-THC	ND	ND
THCV	ND	ND
CBD	99.66 wt %	996.60 mg/g
CBDV	0.17 wt %	1.69 mg/g
CBG	ND	ND
CBC	ND	ND
CBN	ND	ND
THCA	ND	ND
CBDA	ND	ND
CBGA	ND	ND
Total	99.83 wt%	998.29 mg/g
Max THC	-	-
Max CBD	99.66 wt%	996.60 mg/g

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: Max THC = (0.877 x THCA) + THC. ND = None detected above the limits of detection (LLD)

EA: Elemental Analysis [WI-10-13]   *Analyst: JFD*   *Test Date: 12/28/2017*

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25081-EA

Symbol	Metal	Conc.[1]	MDL	Limits [2]	Status
Al	Aluminum	1,194 ug/kg	5 ug/kg	-	
As	Arsenic	ND	4 ug/kg	1500 ug/kg	PASS
Cd	Cadmium	ND	1 ug/kg	1500 ug/kg	PASS
Ca	Calcium	1,065 ug/kg	500 ug/kg	-	
Cr	Chromium	113 ug/kg	5 ug/kg	25000 ug/kg	PASS
Co	Cobalt	ND	10 ug/kg	-	
Cu	Copper	ND	500 ug/kg	100000 ug/kg	PASS
Fe	Iron	1,920 ug/kg	5 ug/kg	-	
Pb	Lead	47 ug/kg	2 ug/kg	5000 ug/kg	PASS
Mg	Magnesium	1,948 ug/kg	500 ug/kg	-	
Mn	Manganese	ND	500 ug/kg	-	
Hg	Mercury	ND	2 ug/kg	1500 ug/kg	PASS
Mo	Molybdenum	ND	5000 ug/kg	10000 ug/kg	PASS
Ni	Nickel	ND	500 ug/kg	1500 ug/kg	PASS
P	Phosphorus	1,975 ug/kg	500 ug/kg	-	
K	Potassium	363 ug/kg	5 ug/kg	-	
Se	Selenium	ND	10 ug/kg	-	
Ag	Silver	ND	10 ug/kg	-	
S	Sulfur	ND	5 ug/kg	-	
Sn	Tin	ND	5000 ug/kg	-	
Zn	Zinc	431 ug/kg	5 ug/kg	-	

1) ND = None detected to the Method Detection Limit (MDL)
2) USP recommended limits for Elemental Analysis.

PST: Pesticide Analysis [WI-10-11]   *Analyst: KSB*   *Test Date: 12/29/2017*

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

25081-PST

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	*
Daminozide	1596-84-5	ND	ppb	10	10	PASS
Dichlorvos	62-73-7	ND	ppb	3	10	*
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	203313-25-1	ND	ppb	0.1	10	PASS
Trifloxystrobin	141517-21-7	ND	ppb	0.1	10	PASS

* Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 5. ND indicates "none detected" above the lower limit of detection (LLD). Analytes marked with (*) indicate analytes for which no recovery was observed for a pre-spiked matrix sample.

END OF REPORT