

## Product: Brēzzzz CBD/CBN Inhaler (50 Actuations)

Test Description	Test Method Number	Analyst	Specification	Results		Pass/Fail
Dose Content Uniformity (DCU)	LM-ET001-001 LM-ET001-003	ECP	The amount of active ingredient per determination is not outside of 80-120 percent of label claim for more than one of ten containers, none of the determinations is outside of 75-125 percent of the label claim, and the mean is not outside of 85-115 percent of the label claim.  Label Claim: 0.5mg CBD/actuation 0.5mg CBN/actuation	<b>CBD</b>  <b>Spray 1</b> Mean: 0.51mg (102%) Min: 0.48mg (96%) Max: 0.54mg (108%)  <b>Spray 2</b> Mean: 0.51mg (103%) Min: 0.48mg (96%) Max: 0.55mg (109%)	<b>CBN</b>  <b>Spray 1</b> Mean: 0.50mg (100%) Min: 0.47mg (94%) Max: 0.53mg (106%)  <b>Spray 2</b> Mean: 0.51mg (101%) Min: 0.47mg (94%) Max: 0.54mg (107%)	Pass
DCU through Container Life	LM-ET001-001 LM-ET001-003	ECP	The amount of active ingredient per determination is not outside of 80-120 percent of label claim for more than one of nine determinations from three containers, none of the determinations is outside of 75-125 percent of the label claim, and means for each of the beginning, middle, and end determinations are not outside of 85-115 percent of the label claim.  Label Claim: 0.5mg CBD/actuation 0.5mg CBN/actuation	<b>CBD</b>  <b>Beginning</b> Mean: 0.51mg (101%) Min: 0.48mg (96%) Max: 0.54mg (108%)  <b>Middle</b> Mean: 0.48mg (95%) Min: 0.46mg (92%) Max: 0.50mg (100%)  <b>End</b> Mean: 0.51mg (102%) Min: 0.45mg (89%) Max: 0.56mg (113%)	<b>CBN</b>  <b>Beginning</b> Mean: 0.50mg (99%) Min: 0.47mg (94%) Max: 0.53mg (106%)  <b>Middle</b> Mean: 0.47mg (93%) Min: 0.44mg (89%) Max: 0.49mg (98%)  <b>End</b> Mean: 0.50mg (100%) Min: 0.44mg (88%) Max: 0.55mg (110%)	Pass
THC Content	3 <sup>rd</sup> Party Laboratory		Total THC Content: Below detectable limit	None Detected Cert ID: 82837		Pass
Microbial Limits	3 <sup>rd</sup> Party Laboratory		Total Aerobic Bacterial Count Limit: 10,000 CFU/g Total Coliform Bacterial Count Limit: 100 CFU/g Total Bile Tolerant Gram Negative Count Limit: 100 CFU/g Total Yeast & Mold Limit: 1,000 CFU/g Total E. coli and Salmonella: None Detected/g	Total Aerobic Bacterial: <100 Total Coliform Bacterial: <100 Total Bile Tolerant Gram Neg.: <100 Total Yeast & Mold: <100 Total E. coli and Salmonella: None Detected ProVerde Labs Cert ID: 82840		Pass
Heavy Metals	3 <sup>rd</sup> Party Laboratory		Arsenic Limit: 200 µg/kg Cadmium Limit: 200 µg/kg Mercury Limit: 100 µg/kg Lead Limit: 500 µg/kg	Arsenic: None Detected Cadmium: None Detected Mercury: None Detected Lead: None Detected ProVerde Labs Cert ID: 82840		Pass
Pesticides	3 <sup>rd</sup> Party Laboratory		Limit of 10 ppb	None Detected ProVerde Labs Cert ID: 82840		Pass

### Authorization:

Charles R. Eck  
Print Name

*CR Eck*  
Signature

19 Aug 20  
Date

### Approval:

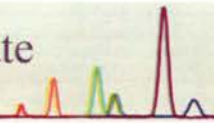
Kristen Bobrowiecki  
Print Name

*Kristen Bobrowiecki*  
Signature

19 Aug 2020  
Date

END OF REPORT





Certificate ID: **82837**  
 Received: **6/5/20**  
 Client Sample ID: **Brez CBD/CBN Inhaler, 50 dose - Release (Beg)**  
 Lot Number: **20-1004**  
 Matrix: **Personal Care - De-pressurized pMDI**

Scan QR Code for authenticity



**Entourage Therapeutics**  
**PO Box 9669**  
**Fall River, MA 02720**  
**Attn: Kristen Bobrowiecki**

Authorization: Chris Hudalla, Chief Science Officer	Signature: 	Date: 6/18/2020
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The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]**      Analyst: *JFD*      Test Date: 6/13/2020

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations. Neat sample was diluted 10x for LC analysis, for a total dilution factor = 10 \* 500 = 5000.

**82837-CN**

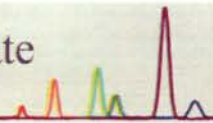
ID	Weight %	Concentration (mg/mL)		
D9-THC	ND	ND		
THCV	ND	ND		
CBD	4.76	37.60		
CBDV	ND	ND		
CBG	ND	ND		
CBC	ND	ND		
CBN	4.69	37.10		
THCA	ND	ND		
CBDA	ND	ND		
CBGA	ND	ND		
D8-THC	ND	ND		
exo-THC	ND	ND		
<b>Total</b>	<b>9.45</b>	<b>74.70</b>	0%	<b>Cannabinoids (wt%) 4.8%</b>
Max THC	ND	ND		
Max CBD	4.76	37.60		

Limit of Quantitation (LOQ) = 0.03 wt%

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. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND = None detected above the limits of detection (LOD), which is half of LOQ.

**END OF REPORT**





Certificate ID: **82840 (Reissued)** Received: **6/5/20**  
 Client Sample ID: **Brez CBD/CBN Inhaler, 50 dose - Release**  
 Lot Number: **20-1004**  
 Matrix: **Personal Care - De-pressurized pMDI**

Scan QR Code for authenticity



**Entourage Therapeutics**  
**PO Box 9669**  
**Fall River, MA 02720**  
**Attn: Kristen Bobrowiecki**

Authorization: Chris Hudalla, Chief Science Officer	Signature: 	Date: 7/3/2020
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**EA: Elemental Analysis [WI-10-13]**

Analyst: CJS

Test Date: 6/10/2020

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. Certificate has been re-issued for the reporting of heavy metals.

**82840-EA**

Symbol	Metal	Conc. <sup>1</sup> (µg/kg)	RL (µg/kg)	Limits <sup>2</sup> (µg/kg)	Status
As	Arsenic	ND	50	200	PASS
Cd	Cadmium	ND	50	200	PASS
Pb	Lead	ND	50	500	PASS
Hg	Mercury	ND	50	100	PASS

- 1) ND = None detected to the Method Detection Limit (MDL)
- 2) USP recommended maximum daily limits for inhalational drug product.

**MB1: Microbiological Contaminants [WI-10-09]**

Analyst: AEG

Test Date: 6/9/2020

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.

**82840-MB1**

Symbol	Analysis	Results	Units	Limits*	Status
AC	Total Aerobic Bacterial Count	<100	CFU/g	100,000 CFU/g	PASS
CC	Total Coliform Bacterial Count	<100	CFU/g	1,000 CFU/g	PASS
EB	Total Bile Tolerant Gram Negative Count	<100	CFU/g	1,000 CFU/g	PASS
YM	Total Yeast & Mold	<100	CFU/g	10,000 CFU/g	PASS

Recommended limits established by the American Herbal Pharmacopoeia (AHP) monograph for Cannabis Inflorescence [2013], for consumable botanical products, including processed and unprocessed cannabis materials, and solvent-based extracts. Note: All recorded Microbiological tests are within the established limits.



**MB2: Pathogenic Bacterial Contaminants [WI-10-10]**

Analyst: LabAdmin

Test Date: 6/10/2020

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.

**82840-MB2**

Test ID	Analysis	Results	Units	Limits*	Status
82840-ECPT	E. coli (O157)	Negative	NA	Non Detected	PASS
82840-SPT	Salmonella	Negative	NA	Non Detected	PASS

Note: All recorded pathogenic bacteria tests passed.

**PST: Pesticide Analysis [WI-10-11]**

Analyst: CJR

Test Date: 6/15/2020

The client sample was analyzed 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).

**82840-PST**

Analyte	CAS	Result	Units	LLD	Limits (ppb)	Status
Abamectin	71751-41-2	ND	ppb	0.20	300	PASS
Spinosad	168316-95-8	ND	ppb	0.10	3000	PASS
Pyrethrin	8003-34-7	ND	ppb	0.10	1000	PASS
Trifloxystrobin	141517-21-7	ND	ppb	0.10	30000	PASS
Spirotetramat	203313-25-1	ND	ppb	0.10	13000	PASS
Spiromesifen	283594-90-1	ND	ppb	0.10	12000	PASS
Piperonyl butoxide	51-03-6	ND	ppb	0.10	8000	PASS
Paclobutrazol	76738-62-0	ND	ppb	0.10	10	PASS
Myclobutanil	88671-89-0	ND	ppb	0.10	9000	PASS
Imidacloprid	138261-41-3	ND	ppb	0.10	3000	PASS
Imazalil	35554-44-0	ND	ppb	0.10	10	PASS
Fenoxycarb	72490-01-8	ND	ppb	0.10	10	PASS
Etoazole	153233-91-1	ND	ppb	0.10	1500	PASS
Dichlorvos	62-73-7	ND	ppb	3.00	10	PASS
Cyfluthrin	68359-37-5	ND	ppb	0.50	1000	PASS
Bifenthrin	82657-04-3	ND	ppb	0.20	500	PASS
Bifenazate	149877-41-8	ND	ppb	0.10	5000	PASS
Azoxystrobin	131860-33-8	ND	ppb	0.10	40000	PASS

\* Testing limits for ingestion established by the State of California: CCR, Title 16, Division 42, Chapter 5, Section 5313. 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**