

**BPC002 Brazilian PhytoCare Tincture (10%) COA**

Document Number: COA-053

Approval Date:
15 May 2023

Version Number: 1.0

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CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION	
Item Number/Spec Number	BPC002 / SPEC-FP-0024
Lot number	VH23-030
Sample ID	1160781
Description	Phytocare 10% CBD tincture
Supplier	Vantage Hemp

FINAL PRODUCT SPECIFICATION CONFORMANCE SUMMARY

SPECIFICATION	RESULTS
Physical Properties:	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cannabinoid Profile:	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Microbial:	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Approved for:	<input checked="" type="checkbox"/> Released Inventory <input type="checkbox"/> Out of Specification INV#: _____

Prepared By:

Natalie Marks[Natalie Marks \(May 30, 2023 09:38 MDT\)](#)May 30, 2023

Date

Approved By:

Deepank Utkhede[Deepank Utkhede \(May 30, 2023 11:13 MDT\)](#)May 30, 2023

Date



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PHYSICAL PROPERTIES		
METHOD: SOP-QA-013		
Characteristic	Specifications	Results
Appearance:	Translucent, oily	Translucent and oily
Consistency	Liquid	Liquid
Color	Yellow to amber	Amber
Foreign Materials	Free of foreign materials	Free of foreign material
Smell	Prominent citrus fragrance with a mild earthy undertone	Prominent citrus fragrance with a mild earthy undertone

CANNABINOID PROFILE						
METHOD: MF12D012 (LC/MS/MS)		LOD: 0.00017%	LOQ: 0.00050%			
SUBSTANCE:	SPECIFICATION (mg/ml):	RESULTS (report mg/ml) REFERENCE BOTTLE	RESULTS (report mg/ml) BOTTLE 1	RESULTS (report mg/ml) BOTTLE 500	RESULTS (report mg/ml) BOTTLE 647	
CBD	Cannabidiol	100.00 +/- 10%	100.319	101.144	100.495	99.9756
THC	Total THC	< 0.13	0.0468	0.0474	0.0475	0.0490

MICROBIAL PANEL			
SUBSTANCE	METHOD	SPECIFICATION	Result
Salmonella spp.	AOAC 2016.01	Absent in 25 g	Absent
-Shiga-toxin producing Escherichia coli(STEC) - Bacteria	3MDS - STEC/EAE	Absent in 25 g	Absent
Total coliforms	FDA BAM - ECC Agar	< 10 ² cfu/g	<10
Total aerobic plate count	FDA BAM	< 10 ² cfu/g	<10
Total yeast & mold	AOAC 2014.05	< 10 ² cfu/g	<10



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VERSION HISTORY TABLE

VER	DCC Number	Description of Change
1	DCC-2023-0092	Initial release



Physical Properties Test Report

Document Number: **FRM-QC-021**
 Governing SOP: SOP-QC-013

Effective Date:
 23 May 2022

Version Number: 2.0

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QC Test Report – Physical Properties

Product Identification				
QC Sample ID	Item #	Control #	Lot #	Description
RS23-0070	BPC002	N/A	VH23-030	Phytocare 10%

Extracts and Finished Goods		
Criteria	Specification	Result
Consistency:	Liquid	Liquid
Color:	Yellow to Amber	Amber
Foreign Materials:	Free of Foreign Materials	Free of foreign materials
Odor:	Prominent citrus flavor with a mild earthy undertone	Prominent citrus flavor with a mild earthy undertone <input type="checkbox"/> N/A

Biomass		
Criteria	Specification	Result
Moisture (Visual):		N/A
Color:		N/A
Odor:		N/A

Raw Materials		
Criteria	Specification	Result
Consistency:		N/A
Color:		N/A
Odor:	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A



Physical Properties Test Report

Document Number: FRM-QC-021
Governing SOP: SOP-QC-013

Effective Date:
23 May 2022

Version Number: 2.0

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Prepared By:

18 MAY 2023

Date

Approved By:

25 May 2023

Date

Additional Observations

Footnote #:	Observation
	N/A TN/30MAY/2023
	① TN/18MAY/2023 accidental N/A before the completion of physical properties report. Appearance of this sample is translucent & oily TN/30MAY/2023
	JMH 30 May 2023

REV	CR Number	Description of Change
1	DCC-2022-0059	Initial Release
2	DCC-2022-0069	Updates to the Physical Properties SOP and associated form to include instructions and test reports for incoming raw materials.

ANALYZED BY:

Anresco Laboratories
1375 Van Dyke Avenue,
San Francisco, CA 94124
C8-0000052-LIC

MANUFACTURER:

VANTAGE HEMP CO.
2336 115th Ave
Greeley, CO 80634



SAMPLE INFORMATION

Sample No.: 1160782
Product Name: VH23-030, BPC002, 1-647, Phytocare 10% (RS23-0070)
Matrix: Edible (Tincture)

Date Collected: 05/22/2023
Date Received: 05/22/2023
Date Reported: 05/26/2023

TEST SUMMARY

Cannabinoid Profile:

✔ Tested

Microbiological Screen:

✔ Pass

Cannabinoid Profile

05/24/2023

Method: MF-CHEM-15
Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)
Limit of Detection 0.0008 mg/g
Limit of Quantification 0.0025 mg/g

Cannabinoid	mg/g	%	mg/ml
Δ8-THC	ND	ND	ND
Δ9-THC	0.0498	0.00498	0.0468
Δ9-THCA	ND	ND	ND
THCV	0.0659	0.00658	0.0619
THCVA	ND	ND	ND
CBD	105.9636	10.5964	99.6058
CBDA	0.8652	0.08652	0.8133
CBC	0.0121	0.00121	0.0114
CBCA	ND	ND	ND
CBDV	3.5494	0.35494	3.3364
CBG	1.7302	0.17302	1.6263
CBGA	ND	ND	ND
CBN	0.0106	0.00106	0.0100
Total THC	0.0498	0.00498	0.0468
Total CBD	106.722	10.6722	100.319
Total Cannabinoids	112.14	11.214	105.412
Sum of Cannabinoids	112.247	11.2247	105.512
g/ml Conversion Factor	0.94		

Total THC = Δ9-THC + (0.877 * Δ9-THCA)
Total CBD = CBD + (0.877 * CBDA)
Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 * Σ (acidic cannabinoids)]

Microbiological Screen ✔ Pass

05/26/2023

Analyte	Findings	Units	Method	Limit	Status
Standard Plate Count	<10	cfu/g	FDA BAM	<10,000	Pass
Total Yeast & Mold	<10	cfu/g	FDA BAM	<1,000	Pass
Coliforms	<10	cfu/g	FDA BAM - ECC AGAR	<10	Pass
Salmonella	Absent	/25g	AOAC 2016.01	Absent/25g	Pass
STEC	Absent	/25g	3M MDS STEC	Absent/25g	Pass

(-) = Not Tested, ND = None Detected, <LOQ = Below Limit of Quantitation, LOD = Limit of Detection

Reported by



Vu Lam
Lab Co Director



Scan to verify

May 24, 2023

VANTAGE HEMP CO.

2336 115th Ave
Greeley, CO 80634

Order No. 544743
Sample No. 1160779

SAMPLE INFORMATION

Description VH23-030. BPC002. 1. Phytocare 10% (TS23-0235)
Category (Type) Non-Inhalable Edible (Tincture)
Received May 22, 2023

ANALYTICAL RESULTS

Analysis Cannabinoid Profile - LCMSMS
Instrument Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)
Method MF-CHEM-15
Analysis Date May 22, 2023 to May 24, 2023

Cannabinoid	mg/g	%	mg/ml
Δ8-THC	ND	ND	ND
Δ9-THC	0.0504	0.00504	0.0474
Δ9-THCA	ND	ND	ND
THCV	0.0620	0.00620	0.0583
THCVA	ND	ND	ND
CBD	106.8430	10.6843	100.432
CBDA	0.8631	0.08631	0.8113
CBC	0.0119	0.00119	0.0112
CBCA	ND	ND	ND
CBDV	3.6517	0.36518	3.4326
CBG	1.7696	0.17697	1.6635
CBGA	ND	ND	ND
CBN	0.0102	0.00102	0.0096
Total THC	0.0504	0.00504	0.0474
Total CBD	107.6	10.76	101.144
Total Cannabinoids	113.156	11.3156	106.367
Sum of Cannabinoids	113.262	11.3262	106.466
g/ml Conversion Factor	0.94		

Reported by
Anresco, Inc.




Derek Moy
Senior Analyst

May 24, 2023

Limit of Detection: 0.0008 mg/g
Limit of Quantitation: 0.0025 mg/g
ND = None Detected
<LOQ = Below Limit of Quantitation
LOD = Limit of Detection
Total THC = Δ9-THC + (0.877 * Δ9-THCA)
Total CBD = CBD + (0.877 * CBDA)
Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 * Σ (acidic cannabinoids)]

If there are any questions with this report, please contact "compliance@anresco.com".

May 24, 2023

VANTAGE HEMP CO.

2336 115th Ave
Greeley, CO 80634

Order No. 544743
Sample No. 1160780

SAMPLE INFORMATION

Description VH23-030. BPC002. 500. Phytocare 10% (TS23-0236)
Category (Type) Non-Inhalable Edible (Tincture)
Received May 22, 2023

ANALYTICAL RESULTS

Analysis Cannabinoid Profile - LCMSMS
Instrument Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)
Method MF-CHEM-15
Analysis Date May 22, 2023 to May 24, 2023

Cannabinoid	mg/g	%	mg/ml
Δ8-THC	ND	ND	ND
Δ9-THC	0.0505	0.00505	0.0475
Δ9-THCA	ND	ND	ND
THCV	0.0617	0.00617	0.0580
THCVA	ND	ND	ND
CBD	106.1156	10.6116	99.7486
CBDA	0.9060	0.09060	0.8516
CBC	0.0112	0.00112	0.0105
CBCA	ND	ND	ND
CBDV	3.5154	0.35154	3.3045
CBG	1.7144	0.17144	1.6115
CBGA	ND	ND	ND
CBN	0.0115	0.00115	0.0108
Total THC	0.0505	0.00505	0.0475
Total CBD	106.91	10.691	100.495
Total Cannabinoids	112.275	11.2275	105.538
Sum of Cannabinoids	112.386	11.2386	105.643
g/ml Conversion Factor	0.94		

Reported by
Anresco, Inc.




Derek Moy
Senior Analyst

May 24, 2023

Limit of Detection: 0.0008 mg/g
Limit of Quantitation: 0.0025 mg/g
ND = None Detected
<LOQ = Below Limit of Quantitation
LOD = Limit of Detection
Total THC = Δ9-THC + (0.877 * Δ9-THCA)
Total CBD = CBD + (0.877 * CBDA)
Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 * Σ (acidic cannabinoids)]

If there are any questions with this report, please contact "compliance@anresco.com".

May 24, 2023

VANTAGE HEMP CO.

2336 115th Ave
Greeley, CO 80634

Order No. 544743

Sample No. 1160781

SAMPLE INFORMATION

Description VH23-030. BPC002. 647. Phytocare 10% (TS23-0237)
Category (Type) Non-Inhalable Edible (Tincture)
Received May 22, 2023

ANALYTICAL RESULTS

Analysis Cannabinoid Profile - LCMSMS
Instrument Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)
Method MF-CHEM-15
Analysis Date May 22, 2023 to May 24, 2023

Cannabinoid	mg/g	%	mg/ml
Δ8-THC	ND	ND	ND
Δ9-THC	0.0521	0.00521	0.0490
Δ9-THCA	ND	ND	ND
THCV	0.0629	0.00629	0.0592
THCVA	ND	ND	ND
CBD	105.6319	10.5632	99.294
CBDA	0.8271	0.08271	0.7774
CBC	0.0122	0.00122	0.0114
CBCA	ND	ND	ND
CBDV	3.5370	0.35370	3.3247
CBG	1.7008	0.17008	1.5988
CBGA	ND	ND	ND
CBN	0.0108	0.00108	0.0101
Total THC	0.0521	0.00521	0.0490
Total CBD	106.357	10.6357	99.9756
Total Cannabinoids	111.733	11.1733	105.029
Sum of Cannabinoids	111.835	11.1835	105.125
g/ml Conversion Factor	0.94		

Reported by
Anresco, Inc.



Derek Moy
Senior Analyst

May 24, 2023

Limit of Detection: 0.0008 mg/g
Limit of Quantitation: 0.0025 mg/g
ND = None Detected
<LOQ = Below Limit of Quantitation
LOD = Limit of Detection
Total THC = Δ9-THC + (0.877 * Δ9-THCA)
Total CBD = CBD + (0.877 * CBDA)
Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 * Σ (acidic cannabinoids)]

If there are any questions with this report, please contact "compliance@anresco.com".








Anresco Test Report BPC002 VH23-030 (BOTTLE 1)

Final Audit Report

2023-05-30

Created:	2023-05-30
By:	Natalie Marks (natalie@vantagehemp.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAABekH0bD8JF5Y4xckHKPiDsa74RtyOz5c

"Anresco Test Report BPC002 VH23-030 (BOTTLE 1)" History

-  Document created by Natalie Marks (natalie@vantagehemp.com)
2023-05-30 - 3:37:17 PM GMT
-  Document e-signed by Natalie Marks (natalie@vantagehemp.com)
Signature Date: 2023-05-30 - 3:38:47 PM GMT - Time Source: server
-  Document emailed to deepank@vantagehemp.com for signature
2023-05-30 - 3:38:48 PM GMT
-  Email viewed by deepank@vantagehemp.com
2023-05-30 - 5:12:44 PM GMT
-  Signer deepank@vantagehemp.com entered name at signing as Deepank Utkhede
2023-05-30 - 5:13:32 PM GMT
-  Document e-signed by Deepank Utkhede (deepank@vantagehemp.com)
Signature Date: 2023-05-30 - 5:13:34 PM GMT - Time Source: server
-  Agreement completed.
2023-05-30 - 5:13:34 PM GMT