

Pangaia Tincture 20% PGA003 COA		
Document Number: COA-048	Approval Date: 12 Dec 2024	
Version Number: 3.0	Page 1 of 6	

Product Identification			
Item Number/Spec Number	PGA003 / SPEC-FP-0017 Version 3.0		
Batch Number	VH24-090		
Sample ID	RS24-0196, TS24-0754, TS24-0755, TS24-0756,		
Sample 1D	TS24-0757		
Manufacturing Date	20Nov2024		
Retest Date	20Nov2026		
Description	Pangaia Tincture 20%		
Supplier	Vantage Hemp		

Final Product Specification Conformance Summary			
Specification	Results		
Physical Properties:	□ Pass □ Fail □ Pass for processing ONLY		
Cannabinoids:	□ Pass □ Fail □ Pass for processing ONLY		
Microbials:	□ Pass □ Fail □ Pass for processing ONLY		
Mycotoxins:	□ Pass □ Fail □ Pass for processing ONLY		
Residual Solvents	□ Pass □ Fail □ Pass for processing ONLY		
Heavy Metals	□ Pass □ Fail □ Pass for processing ONLY		
Pesticides:	□ Pass □ Fail □ Pass for processing ONLY		
Approved for:	☐ Inventory (processing and/or distribution)		
	☐ Processing ONLY		
	☐ Rejected / Out of Specification see UDEV#:		
Comments:	* Reference CC-2024-0066	□ N/A	



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PHYSICAL PROPERTIES				
METHOD: SOP-QC-013				
CHARACTERISTIC SPECIFICATIONS RESULTS				
Consistency Liquid		Liquid		
		Translucent, yellow to		
Color	Translucent, yellow to amber	amber		
Foreign Materials	Free from foreign materials	Free of foreign materials		
		Odorless to light earthy		
Smell	Odorless to light earthy odor	smell		

	CANNABINOID PROFILE						
METI	HOD: MF12D	012 (LC/MS/MS)	LOD:	0.00017%	6 L	OQ: 0.000	50%
		SPECIFICATION	RESULTS	S (REPOI	RT mg/ml):	
SUBS	SUBSTANCE: (REPORT mg/ml):						
			185.772 %	186.464 %	188.401	186.879	189.928
			(RS24-	(TS24-	%	%	%
			0196)	0754)	(TS24-	(TS24-	(TS24-
CBD	Cannabidiol	200 mg/ml +/- 10%			0755)	0756)	0757)
THC	Total THC	< 0.9 mg/ml	0.0936	0 .0904	0.0974	0.0916	0.0941

N			
	METHOD	ACTION	RESULTS
SUBSTANCE		LIMITS	
	AOAC 2016.01	Absent in	Absent in 25 g
Salmonella spp.		25 g	
Shiga-toxin producing	3M MDS		Absent in 25 g
Escherichia coli (STEC)	STEC/EAE	Absent in	
Bacteria		25 g	
	FDA BAM- ECC		<10 cfu/g
Total coliforms	AGAR	$< 10^2 \text{cfu/g}$	
Total aerobic plate count	FDA BAM	$< 10^4 \mathrm{cfu/g}$	<10 cfu/g
Total yeast and mold	FDA BAM	$< 10^3 \text{ cfu/g}$	<10 cfu/g



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MYCOTOXIN PANEL			
METHOD: MF-CHEM-13 : (LC-MS/MS) (GC-MS/MS)			
SUBSTANCE	SPECIFICIATION (PPB)	RESULTS	
Aflatoxins (B1, B2, G1,	< 20 (total of B1 + B2 + G1 +	ND	
and G2)	G2)		
Aflatoxin B1	< 5	ND	
Ochratoxin	< 5	ND	

RESIDUAL SOLVENT PANEL				
METHOD: USP OVI <467> (GC/MS)				
SUBSTANCE	SPECIFICATION (PPM)	RESULTS		
Acetone	ND	ND		
Benzene	ND	ND		
Butanes	ND	ND		
Ethanol	ND	ND		
Ethyl Acetate	ND	ND		
Heptanes	ND	ND		
Hexane	ND	ND		
Isopropyl Alcohol	ND	ND		
Methanol	ND	ND		
Pentane	ND	ND		
Propane	ND	ND		
Toluene	ND	ND		
Total Xylenes (m, p, o-xylenes)	ND	ND		

HEAVY METALS PANEL			
METHOD: MF 24E020 :(ICP-MS)			
	SPECIFICATION	RESULTS	
SUBSTANCE	(PPM)		
Arsenic	< 1.5	ND	
Cadmium	< 0.5	ND	
Lead	< 0.5	ND	
Mercury	< 1.5	ND	



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SUBSTANCE	LIMIT (MG/KG)	RESULTS
Alachlor	0.05	ND ND
Aldrin and Dieldrin (sum of)	0.05	ND
Azinphos-methyl	1.0	ND
Bromopropylate	3.0	ND
Chlordane (sum of <i>cis</i> -, <i>trans</i> - and Oxythlordane)	0.05	ND
Chlorfenvinphos	0.5	ND
Chlorpyrifos	0.2	ND
Chlorpyrifos-methyl	0.1	ND
Cypermethrin (and isomers)	1.0	ND
DDT (sum of $p,p\Box$ -DDT, $o,p\Box$ -DDT, $p,p\Box$ -DDE and $p,p\Box$ -TDE)	1.0	ND
Deltamethrin	0.5	ND
Diazinon	0.5	ND
Dichlorvos	1.0	ND
Dithiocarbamates (as CS ₂)	2.0	*
Endosulfan (sum of isomers and Endosulfan sulphate)	3.0	ND
Endrin	0.05	ND
Ethion	2.0	ND
Fenitrothion	0.5	ND
Fenvalerate	1.5	ND
Fonofos	0.05	ND
Heptachlor (sum of Heptachlor and Heptachlorepoxide)	0.05	ND
Hexachlorobenzene	0.1	ND
Hexachlorocyclohexane isomers (other than □)	0.3	ND
Lindane (□-Hexachlorocyclohexane)	0.6	ND
Malathion	1.0	ND
Methidathion	0.2	ND
Parathion	0.5	ND
Parathion-methyl	0.2	ND
Permethrin	1.0	ND
Phosalone	0.1	ND



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PESTICIDE PANEL CONTINUED		
METHOD: USP 2.8.13 GC- MS/MS		
	<u>LIMIT</u>	
SUBSTANCE	(MG/KG)	RESULTS
Piperonyl butoxide	3.0	ND
Pirimiphos-methyl	4.0	ND
Pyrethrins (sum of)	3.0	ND
Quintozene (sum of quintozene, pentachloroaniline and methyl pentachlorophenyl sulphide)	1.0	ND

Prepared By:

Andrea Stahl (Dec 13, 2024 13:37 MST)

12/13/2024

Date

Approved By:

Darcie Moran (Dec 13, 2024 14:38 MST)

12/13/2024

Date

REVISION HISTORY				
REV	CR Number	Description of Change		
1	DCC-2023-0075	Initial Release		
2	DCC-2024-0132	Corrected physical properties method, total THC specification, and		
		included the manufacture and retest date.		



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3	DCC-2024-0139	Updated pesticide panel to EP/USP Compliance, removed control
		number, added spec version #, correct micro method

Controlled Copy ID# CC-FRM-QC-021-3-0-0034 Printed on 25 Nov 2024 for: Kelly Cromer



Physical Properties Test Report	
Document Number: FRM-QC-021 Governing SOP: SOP-QC-013	Effective Date: 13 Jun 2023
Version Number: 3.0	Page 1 of 2

OC Test Report - Physical Properties

Product Identification						
QC Sample ID	Item #	Control#	Lot#	Description	Performed By (initials and date)	Verified By (initials and date)
RS24-0196	P6A003	N/A	P6 VA24.090	Pangaia Tincture 20%. PGADO3 Specification	14C 26W0v2024	JENONSOS

Extracts and Finished Goods □N/A **Performed By** Verified By Criteria Specification Result (initials and date) (initials and date) Appearance: NA NIA N/A NIA 190 26 WOV 2024 Nmm ZUNDYOZY Consistency: Liquid Liauid Trunstucent, yellow Translacent, yellow 26Nov2024 Nmm 26Nov2024 Color: Free from foreign Foreign Free from foreign 40 26 Nov2024 Nmm 26 Nov2024 Materials: materials materials Odorless to light earthy small Odorless to light KC 26Nov2024 Nmm LeNov2024 Odor: earthy smell

Biomass			⊠N/A	
Criteria	Specification	Result	Performed By (initials and date)	Verified By (initials and date)
Moisture (Visual):				
Color:				
Odor:				

		Raw Materia	ıls	☑N/A
Criteria	Specification	Result	Performed By (initials and date)	Verified By (initials and date)
Consistency:				
Color:				
Odor:				

Controlled Copy ID# CC-FRM-QC-021-3-0-0034 Printed on 25 Nov 2024 for: Kelly Cromer



Physical Properties Test Report		
Document Number: FRM-QC-021 Governing SOP: SOP-QC-013	Effective Date: 13 Jun 2023	
Version Number: 3.0	Page 2 of 2	

	Additional Observations	⊠N/A
Footnote #:	Observation	

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.
3	DCC-2023-0109	Update to 12pt Times New Roman and include performed by/verified by columns, N/A boxes, and appearance category.

Controlled Copy ID# CC-FRM-QC-021-3-0-0034 Printed on 25 Nov 2024 for: Kelly Cromer

Document Approvals Approved Date: 13 Jun 2023

Task: SME Approval Verdict: Approve changes & release	Deepank Utkhede, Chief Process Biochemist & COC (deepank@vantagehemp.com) SME Approver 08-Jun-2023 17:59:43 GMT+0000		
Task: QA Approval Verdict: Approve changes & release	Darcie Moran, QA MANAGER (darcie@vantagehemp.com) QA Approval		



December 11, 2024

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

Order No. 563921 Sample No. 1260297

SAMPLE INFORMATION

Description VH24-090 PGA003 Pangaia 20% Tincture RS24-0196

Lot Number VH24-090

Category (Type) Non-Inhalable Edible (Tincture)

Received November 22, 2024

ANALYTICAL RESULTS

Analysis Pesticides - Ph Eur 2.8.13 Pass

InstrumentGC & LC MS/MSMethodPh Eur 2.8.13

Analysis Date November 22, 2024 to December 11, 2024

Analyte	LOD / LOQ (ppm)	Findings (ppm)	Limit	Status
Acephate	0.02/0.05	ND	0.1	Pass
Alachlor	0.02/0.05	ND	0.05	Pass
Aldrin	0.02/0.05	ND	0.05	Pass
Azinphos-ethyl	0.03/0.1	ND	0.1	Pass
Azinphos-methyl	0.17/0.5	ND	1	Pass
BHC-alpha (benzene hexachloride)	0.025/0.075	ND	0.3	Pass
BHC-beta	0.025/0.075	ND	0.3	Pass
BHC-delta	0.025/0.075	ND	0.3	Pass
BHC-epsilon	0.025/0.075	ND	0.3	Pass
BHC-gamma (Lindane, gamma HCH)	0.03/0.1	ND	0.6	Pass
Bromophos-ethyl	0.02/0.05	ND	0.05	Pass
Bromophos-Methyl	0.02/0.05	ND	0.05	Pass
Bromopropylate	0.08/0.25	ND	3	Pass
Chlordane-cis	0.02/0.05	ND	0.05	Pass
Chlordane-oxy	0.02/0.05	ND	0.05	Pass
Chlordane-trans	0.02/0.05	ND	0.05	Pass
Chlorfenvinphos	0.08/0.25	ND	0.5	Pass
Chlorpyrifos	0.02/0.05	ND	0.2	Pass
Chlorpyrifos-methyl	0.03/0.1	ND	0.1	Pass
Cyfluthrin	0.03/0.1	ND	0.1	Pass
Cyhalothrin-lambda	0.17/0.5	ND	1	Pass
Cypermethrin	0.17/0.5	ND	1	Pass
DDD-o,p'	0.03/0.1	ND	1	Pass
DDD-p,p'	0.03/0.1	ND	1	Pass
DDE-o,p'	0.03/0.1	ND	1	Pass
DDE-p,p'	0.03/0.1	ND	1	Pass
DDT-o,p'	0.03/0.1	ND	1	Pass
DDT-p,p'	0.03/0.1	ND	1	Pass
Deltamethrin	0.17/0.5	ND	0.5	Pass
Diazinon	0.03/0.1	ND	0.5	Pass

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Analyte	LOD / LOQ (ppm)	Findings (ppm)	Limit	Status
Dichlofluanid	0.08/0.25	ND	0.1	Pass
Dichlorvos	0.03/0.1	ND	1	Pass
Dicofol	0.17/0.5	ND	0.5	Pass
Dieldrin	0.02/0.05	ND	0.05	Pass
Dimethoate	0.03/0.1	ND	0.1	Pass
Endosulfan I (alpha)	0.08/0.25	ND	3	Pass
Endosulfan II (beta)	0.08/0.25	ND	3	Pass
Endosulfan sulfate	0.08/0.25	ND	3	Pass
Endrin	0.02/0.05	ND	0.05	Pass
Ethion	0.17/0.5	ND	2	Pass
Etrimfos	0.02/0.05	ND	0.05	Pass
Fenchlorphos (Ronnel)	0.03/0.1	ND	0.1	Pass
Fenitrothion	0.17/0.5	ND	0.5	Pass
Fenpropathrin	0.01/0.03	ND	0.03	Pass
Fensulfothion	0.02/0.05	ND	0.05	Pass
Fenthion	0.02/0.05	ND	0.05	Pass
Fenvalerate	0.08/0.25	ND	1.5	Pass
Flucythrinate	0.02/0.05	ND	0.05	Pass
Fluvalinate-tau	0.02/0.05	ND	0.05	Pass
Fonofos	0.02/0.05	ND	0.05	Pass
Heptachlor	0.02/0.05	ND	0.05	Pass
Heptachlor endo-epoxide	0.02/0.05	ND	0.05	Pass
Heptachlor exo-epoxide	0.02/0.05	ND	0.05	Pass
Hexachlorobenzene	0.03/0.1	ND	0.1	Pass
Malaoxon (Malathion-				
oxon)	0.08/0.25	ND	1	Pass
Malathion	0.08/0.25	ND	1	Pass
Mecarbam	0.02/0.05	ND	0.05	Pass
Methacrifos	0.02/0.05	ND	0.05	Pass
Methamidophos	0.02/0.05	ND	0.05	Pass
Methidathion	0.07/0.2	ND	0.2	Pass
Methoxychlor, o,p'-	0.02/0.05	ND	0.05	Pass
Methoxychlor, p,p'-	0.02/0.05	ND	0.05	Pass
Mirex	0.003/0.01	ND	0.01	Pass
Monocrotophos	0.03/0.1	ND	0.1	Pass
Octachlorodipropyl ether	0.04 (0.02	ND	0.02	Dana
(S-421)	0.01/0.02	ND	0.02	Pass
Parathion	0.08/0.25	ND	0.5	Pass
Parathion Methyl	0.03/0.1	ND	0.2	Pass
Pendimethalin	0.03/0.1	ND	0.1	Pass
Pentachloroaniline	0.17/0.5	ND	1	Pass
Pentachloroanisole	0.003/0.01	ND	0.01	Pass
Pentachloronitrobenzene	0.03/0.1	ND	1	Pass
Pentachlorothioanisole	0.03/0.1	ND	1	Pass
Permethrins	0.17/0.5	ND	1	Pass
Phosalone	0.03/0.1	ND	0.1	Pass
Phosmet	0.02/0.05	ND	0.05	Pass
Piperonyl Butoxide	0.03/0.1	ND	3	Pass
Pirimiphos-ethyl	0.02/0.05	ND	0.05	Pass
<u> </u>				

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Sample #: 1260297

Batch #: VH24-090



Analyte	LOD / LOQ (ppm)	Findings (ppm)	Limit	Status
Pirimiphos-methyl	0.08/0.25	ND	4	Pass
Procymidone	0.03/0.1	ND	0.1	Pass
Profenofos	0.03/0.1	ND	0.1	Pass
Prothiofos	0.02/0.05	ND	0.05	Pass
Pyrethrins	0.17/0.5	ND	3	Pass
Quinalphos	0.02/0.05	ND	0.05	Pass
Tecnazene	0.02/0.05	ND	0.05	Pass
Tetradifon	0.08/0.25	ND	0.3	Pass
Vinclozolin	0.08/0.25	ND	0.4	Pass

Reported by **Anresco, Inc.**

ND = None Detected LOD = Limit of Detection LOQ = Limit of Quantitation



December 11, 2024

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Sample #: 1260297

Batch #: VH24-090



November 26, 2024

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

Order No. 563921 Sample No. 1260297

SAMPLE INFORMATION

Description VH24-090 PGA003 Pangaia 20% Tincture RS24-0196

Lot Number VH24-090

Category (Type) Non-Inhalable Edible (Tincture)

Received November 22, 2024

ANALYTICAL RESULTS

Analysis Mycotoxins Screen Pass

Instrument Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS)

Method MF-CHEM-13

Analysis Date November 22, 2024 to November 26, 2024

Analyte	LOD/LOQ (ppb)	Findings (ppb)	Limit (ppb)	Status
Aflatoxin B1	0.5/1	ND	2	Pass
Aflatoxin B2	0.5/1	ND	-	-
Aflatoxin G1	0.5/1	ND	-	-
Aflatoxin G2	0.5/1	ND	-	-
Total Aflatoxins	2/4	ND	4	Pass
Ochratoxin A	0.5/1	ND	1	Pass

Reported by **Anresco, Inc.**

ND = None Detected LOD = Limit of Detection LOQ = Limit of Quantitation

Analyst II

November 26, 2024

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November 26, 2024

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

Order No. 563921 Sample No. 1260297

SAMPLE INFORMATION

VH24-090 PGA003 Pangaia 20% Tincture RS24-0196 Description

Lot Number VH24-090

Non-Inhalable Edible (Tincture) Category (Type)

November 22, 2024 Received

ANALYTICAL RESULTS

Analysis

Instrument Gas Chromatography Mass Spectrometry (GC/MS)

Method MF-CHEM-32

Analysis Date November 22, 2024 to November 26, 2024

Analyte	LOD / LOQ (ppm)	Findings (ppm)	Limit	Status
Acetone	67/200	ND	1000	Pass
Benzene	0.2/0.5	ND	2	Pass
Butanes	67/200	ND	1000	Pass
Ethanol	67/200	ND	1000	Pass
Ethyl Acetate	67/200	ND	1000	Pass
Heptanes	67/200	ND	1000	Pass
Hexane	14/40	ND	60	Pass
Isopropyl Alcohol	67/200	ND	1000	Pass
Methanol	67/200	ND	600	Pass
Pentane	67/200	ND	1000	Pass
propane	67/200	ND	1000	Pass
Toluene	14/40	ND	180	Pass
Total Xylenes (m, p, o-xylenes)	67/200	ND	430	Pass
Any other solvent not permitted for use	NA/NA	ND	NA	Pass

Reported by Anresco, Inc. ND = None Detected LOD = Limit of Detection LOQ = Limit of Quantitation

November 26, 2024

Alma Dorantes Analyst I

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November 27, 2024

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

Order No. 563921 Sample No. 1260297

SAMPLE INFORMATION

Description Lot Number Category (Type) VH24-090 PGA003 Pangaia 20% Tincture RS24-0196

VH24-090

Category (Type) Non-Inhalable Edible (Tincture)

Received November 22, 2024

ANALYTICAL RESULTS

Analysis Date

Microbiological Screen - CO CDPHE Pass

November 22, 2024 to November 27, 2024

Analyte	Findings	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	<100	Pass
Salmonella	Absent /25g	AOAC 2016.01	Absent/25g	Pass
STEC	Absent /25g	3M MDS STEC	Absent/25g	Pass

Reported by **Anresco, Inc.**

Allen Zhu
Analyst

November 27, 2024

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November 26, 2024

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

Order No. 563921 Sample No. 1260297

SAMPLE INFORMATION

VH24-090 PGA003 Pangaia 20% Tincture RS24-0196 Description

Lot Number VH24-090

Non-Inhalable Edible (Tincture) Category (Type)

November 22, 2024 Received

ANALYTICAL RESULTS

Analysis Heavy Metals - CO CDPHE Pass

Instrument ICP-MS

MF-CHEM-16 **Analysis Date** November 22, 2024 to November 26, 2024

Analyte	LOD / LOQ (ppm)	Findings (ppm)	Limit	Status
Arsenic	0.02/0.05	ND	1.5	Pass
Cadmium	0.02/0.05	ND	0.5	Pass
Mercury	0.02/0.05	ND	1.5	Pass
Lead	0.02/0.05	ND	0.5	Pass

Reported by Anresco, Inc.

Method

ND = None Detected LOD = Limit of Detection LOQ = Limit of Quantitation

Eric Tam Senior Chemist

November 26, 2024

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



November 26, 2024

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

Order No. 563921 Sample No. 1260297

SAMPLE INFORMATION

Description VH24-090 PGA003 Pangaia 20% Tincture RS24-0196

Lot Number VH24-090

Category (Type) Non-Inhalable Edible (Tincture)

Received November 22, 2024

ANALYTICAL RESULTS

Analysis Cannabinoid Profile - LCMSMS

Instrument Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)

Method MF-CHEM-15

Analysis Date November 22, 2024 to November 26, 2024

Cannabinoid	mg/g	%	mg/ml	
Δ8-ΤΗC	ND	ND	ND	
Δ9-ΤΗС	0.0999	0.00999	0.0936	
Δ9-ΤΗCΑ	ND	ND	ND	
THCV	0.0720	0.00720	0.0675	
THCVA	ND	ND	ND	
CBD	198.2620	19.8262	185.772	
CBDA	ND	ND	ND	
CBC	ND	ND	ND	
CBCA	ND	ND	ND	
CBDV	2.8504	0.28504	2.6708	
CBG	3.4268	0.34268	3.2109	
CBGA	ND	ND	ND	
CBN	0.0461	0.00460	0.0431	
Total THC	0.0999	0.00999	0.0936	
Total CBD	198.262	19.8262	185.771	
Total Cannabinoids	204.757	20.4757	191.857	
Sum of Cannabinoids	204.757	20.4757	191.857	
g/ml Conversion Factor	0.937			

Sample #: 1260297 Batch #: VH24-090

Reported by **Anresco, Inc.**

November 26, 2024

ND = None Detected LOD = Limit of Detection ($0.0007 \, \text{mg/g}$) LOQ = Limit of Quantitation ($0.0020 \, \text{mg/g}$) Total THC = $\Delta 8$ -THC + $\Delta 9$ -THC + ($0.877 \, ^*$ 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".

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ANALYZED BY:

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



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



SAMPLE INFORMATION

Sample No.: 1260298
Product VH24-090 PGA003 Pangaia 20%
Tincture (IP) Bottle 1. TS24-0754

Matrix: Edible (Tincture)
Lot #: VH24-090

Date Collected: 11/22/2024 **Date Received:** 11/22/2024 **Date Reported:** 11/26/2024

TEST SUMMARY

Cannabinoid Profile: Tested

Cannabinoid Profile 11/26/2024

Method: MF-CHEM-15

Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)

Limit of Detection 0.0007 mg/g **Limit of Quantitation** 0.0020 mg/g

Cannabinoid	mg/g	%	mg/ml
Δ8-THC	ND	ND	ND
Δ9-ΤΗС	0.0965	0.00965	0.0904
Δ9-ΤΗCΑ	ND	ND	ND
THCV	0.0722	0.00722	0.0677
THCVA	ND	ND	ND
CBD	199.0014	19.9001	186.464
CBDA	ND	ND	ND
CBC	ND	ND	ND
CBCA	ND	ND	ND
CBDV	2.8609	0.28609	2.6807
CBG	3.3638	0.33638	3.1519
CBGA	ND	ND	ND
CBN	0.0433	0.00433	0.0405
Total THC	0.0965	0.00965	0.0904
Total CBD	199.001	19.9001	186.464
Total Cannabinoids	205.438	20.5438	192.495
Sum of Cannabinoids	205.438	20.5438	192.495

g/ml Conversion Factor

Total THC = $\Delta 8$ -THC + $\Delta 9$ -THC + (0.877 * THCA)

Total CBD = CBD + (0.877 * CBDA)

Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 * Σ (acidic cannabinoids)]

0.937

ND = None Detected LOD = Limit of Detection LOQ = Limit of Quantitation



Scan to verify

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ANALYZED BY:

Anresco Laboratories 1375 Van Dyke Avenue, San Francisco, CA 94124 C8-000052-LIC



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



SAMPLE INFORMATION

Sample No.: 1260299
Product VH24-090 PGA003 Pangaia 20%
Tincture (IP) Bottle 500.

TS24-0755

Matrix: Edible (Tincture)

Lot #: VH24-090

Date Collected: 11/22/2024 Date Received: 11/22/2024 Date Reported: 11/26/2024

TEST SUMMARY

Cannabinoid Profile: Tested

Cannabinoid Profile 11/26/2024

Method: MF-CHEM-15

Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)

Limit of Detection 0.0007 mg/g **Limit of Quantitation** 0.0020 mg/g

Cannabinoid	mg/g	%	mg/ml
Δ8-THC	ND	ND	ND
Δ9-ΤΗC	0.1039	0.01039	0.0974
Δ9-ΤΗCA	ND	ND	ND
THCV	0.0726	0.00726	0.0681
THCVA	ND	ND	ND
CBD	201.0682	20.1068	188.401
CBDA	ND	ND	ND
CBC	ND	ND	ND
CBCA	ND	ND	ND
CBDV	3.0752	0.30752	2.8815
CBG	3.4750	0.34750	3.2561
CBGA	ND	ND	ND
CBN	0.0469	0.00469	0.0439
Total THC	0.1039	0.01039	0.0974
Total CBD	201.068	20.1068	188.401
Total Cannabinoids	207.842	20.7842	194.748
Sum of Cannabinoids	207.842	20.7842	194.748

g/ml Conversion Factor

Total THC = $\Delta 8$ -THC + $\Delta 9$ -THC + (0.877 * THCA)

Total CBD = CBD + (0.877 * CBDA)

Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 * Σ (acidic cannabinoids)]

0.937

ND = None Detected LOD = Limit of Detection LOQ = Limit of Quantitation



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ANALYZED BY:

Anresco Laboratories 1375 Van Dyke Avenue, San Francisco, CA 94124 C8-000052-LIC



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



SAMPLE INFORMATION

 Sample No.:
 1260300

 Product Name:
 VH24-090 PGA003 Pangaia 20%

 Tincture (IP) Bottle 1000.

TS24-0756

Matrix: Edible (Tincture)
Lot #: VH24-090

Date Collected: 11/22/2024 Date Received: 11/22/2024 Date Reported: 11/26/2024

TEST SUMMARY

Cannabinoid Profile: Tested

Cannabinoid Profile 11/26/2024

Method: MF-CHEM-15

Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)

Limit of Detection 0.0007 mg/g **Limit of Quantitation** 0.0020 mg/g

Cannabinoid	mg/g	%	mg/ml	
Δ8-ΤΗC	ND	ND	ND	
Δ9-ΤΗС	0.0978	0.00978	0.0916	
Δ9-ΤΗCΑ	ND	ND	ND	
THCV	0.0724	0.00724	0.0679	
THCVA	ND	ND	ND	
CBD	199.4436	19.9444	186.879	
CBDA	ND	ND	ND	
CBC	ND	ND	ND	
CBCA	ND	ND	ND	
CBDV	2.9907	0.29907	2.8023	
CBG	3.4009	0.34009	3.1867	
CBGA	ND	ND	ND	
CBN	0.0471	0.00471	0.0442	
TotalTHC	0.0978	0.00978	0.0916	
Total CBD	199.444	19.9444	186.879	
Total Cannabinoids	206.053	20.6053	193.072	
Sum of Cannabinoids	206.053	20.6053	193.072	

g/ml Conversion Factor

Total THC = $\Delta 8$ -THC + $\Delta 9$ -THC + (0.877 * THCA)

Total CBD = CBD + (0.877 * CBDA)

Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 * Σ (acidic cannabinoids)]

0.937

ND = None Detected LOD = Limit of Detection LOQ = Limit of Quantitation



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ANALYZED BY:

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



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



SAMPLE INFORMATION

 Product Name:
 1260301

 VH24-090 PGA003 Pangaia 20% Tincture (IP) Bottle 1039. TS24-0757

TS24-0757

Matrix: Edible (Tincture)

Lot #: VH24-090

Date Collected: 11/22/2024 Date Received: 11/22/2024 Date Reported: 11/26/2024

TEST SUMMARY

Cannabinoid Profile: Tested

Cannabinoid Profile 11/26/2024

Method: MF-CHEM-15

Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)

Limit of Detection 0.0007 mg/g **Limit of Quantitation** 0.0020 mg/g

Cannabinoid	mg/g	%	mg/ml
Δ8-THC	ND	ND	ND
Δ9-ΤΗС	0.1005	0.01005	0.0941
Δ9-ΤΗCA	ND	ND	ND
THCV	0.0747	0.00747	0.0700
THCVA	ND	ND	ND
CBD	202.6982	20.2698	189.928
CBDA	ND	ND	ND
CBC	ND	ND	ND
CBCA	ND	ND	ND
CBDV	2.9412	0.29412	2.7559
CBG	3.4970	0.34970	3.2767
CBGA	ND	ND	ND
CBN	0.0456	0.00456	0.0427
Total THC	0.1005	0.01005	0.0941
Total CBD	202.698	20.2698	189.928
Total Cannabinoids	209.357	20.9357	196.168
Sum of Cannabinoids	209.357	20.9357	196.168

g/ml Conversion Factor

Total THC = $\Delta 8$ -THC + $\Delta 9$ -THC + (0.877 * THCA)

Total CBD = CBD + (0.877 * CBDA)

Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 * Σ (acidic cannabinoids)]

0.937

ND = None Detected LOD = Limit of Detection LOQ = Limit of Quantitation



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