



1376 Miners Dr., Ste. 101, Lafayette, CO 80026
 P: 303-531-0861 E: support@quicksilverscientific.com

PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

Document #	FP.078	Rev. 5	Effective Date 03/24/2021
Product Code#	QSAIS04		
CBD SYNERGIES – PN (RELIEF FORMULA)			

Lot Number:	AIS2102
Manufacturing Date:	05/2021
Bottle Size:	60 Capsules
Storage Recommendation:	Room Temperature
Shelf Life / EXP Date:	Freshness is commonly maintained 2 years from manufacturing date

Final Product Tests

Test Performed	Method	Specification	Result	Pass/Fail
Aerobic Plate Count	USP2021	$\leq 10^5$ cfu/mL	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Coliforms	AOAC 991.14	≤ 100 cfu/mL	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
<i>E. Coli</i>	USP2022	Absent	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
<i>Staph aureus</i>	USP2022	Absent	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Yeast/Mold	AOAC2014.05	≤ 1000 cfu/mL	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Salmonella	USP2022	Absent	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
<i>Pseudo. aeruginosa</i>	mUSP62	Absent	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Arsenic	ICPMS	≤ 2 ppm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cadmium	ICPMS	≤ 2 ppm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Lead	ICPMS	≤ 1 ppm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Mercury	ICPMS	≤ 1 ppm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Liposome size	DLS	20nm – 70nm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Curcuminoids	HPLC	≥ 35 mg/2 capsules	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cannabidiol	LC/MS/MS or HPLC	≥ 16 mg/2 capsules	17.8604 mg/ 2 capsules	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
THC	LC/MS/MS or HPLC	$\leq 0.3\%$	0.06098%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail



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Product Code#	QSAIS04		
CBD SYNERGIES – PN (RELIEF FORMULA)			

Test Performed	Method	Specification	Result	Pass/Fail
CBDV	LC/MS/MS or HPLC	For Information Only	0.149 mg/ 2 capsule	N/A
CBDA	LC/MS/MS or HPLC	For Information Only	Not Detected	N/A
CBG	LC/MS/MS or HPLC	For Information Only	0.4476 mg/ 2 capsule	N/A
CBN	LC/MS/MS or HPLC	For Information Only	0.0603 mg/ 2 capsule	N/A
CBC	LC/MS/MS or HPLC	For Information Only	0.4968 mg/ 2 capsule	N/A

*100% label claim at the time of manufacture

**Solvent and Pesticide testing performed annually.

NOTES:

Total Batch Size: 75.5L

Bottles Produced: 1068 bottles

Product Description: Self Emulsifying Delivery System hemp capsule. 16mg cannabinoids per serving.

Ingredient	Manufacturer	Lot Number
Full Spectrum Hemp Extract	CBD Universe	210295
Full Spectrum Hemp Extract	N/A	N/A
Full Spectrum Hemp Extract	N/A	N/A

Released:

Quality Assurance:

Date: 05/26/21

May 24, 2021

QUICKSILVER SCIENTIFIC
Attn: Erin Bingham
1376 Miners Drive Suite 101
Lafayette, CO 80026

Order No. 523773
Sample No. 1083639

SAMPLE INFORMATION

Description CBD SYNERGIES-PN
Lot Number AIS2102
Category (Type) Non-Inhalable Edible (Capsule)
Received May 20, 2021

ANALYTICAL RESULTS

Analysis Cannabinoid Profile
Instrument Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)
Method MF12D012
Analysis Date May 20, 2021 to May 24, 2021

Cannabinoid	mg/g	%	mg/serving
Δ8-THC	ND	ND	ND
Δ9-THC	0.6098	0.06098	0.5852
Δ9-THCA	ND	ND	ND
THCV	0.0152	0.00152	0.0146
THCVA	ND	ND	ND
CBD	16.7815	1.67815	16.1069
CBDA	ND	ND	ND
CBC	0.5176	0.05176	0.4968
CBCA	ND	ND	ND
CBDV	0.1552	0.01553	0.1490
CBG	0.4664	0.04664	0.4476
CBGA	ND	ND	ND
CBN	0.0628	0.00628	0.0603
Total THC	0.6098	0.06098	0.5852
Total CBD	16.7815	1.67815	16.1069
Total Cannabinoids	18.6085	1.86085	17.8604
Total Active Cannabinoids	18.6085	1.86085	17.8604
Measured Serving Weight (g)	0.9598		

Reported by
Anresco, Inc.




Derek Moy
Senior Analyst

May 24, 2021

Limit of Detection: 0.0017 mg/g
Limit of Quantitation: 0.0050 mg/g
ND = None Detected
<LOQ = Below Limit of Quantitation
<LOD = Below Limit of Detection

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



ISO/IEC 17025:2017
 Accreditation #: 75696
 lab@summitnutritional.com

Report Number: 210520 013-01
 Date Reported: 5/26/2021 9:58:00 AM

Sample Details

Product #: CBD Synergies-PN
 Description: CBD Synergies-PN
 Lot #: AIS2102
 Received: 5/20/2021 2:14:01 PM

Customer Information

Quicksilver Scientific
 1376 Miners Drive 101
 Lafayette, CO 80026

Sample Details:

Certificate of Analysis

Chemistry	Method	Specifications	Result	Units
Chemistry				
Bisdemethoxycurcumin	WI.HPLC.381.01		10.607	mg/serving
Curcumin	WI.HPLC.381.01		18.931	mg/serving
Demethoxycurcumin	WI.HPLC.381.01		3.159	mg/serving
Total Curcuminoids	WI.HPLC.381.01	> 35	35.632	mg/serving
Physical				
Serving Size	SNL.MA.210		2.00	Capsule
Average Net Fill Weight	Calculated Sample Weight		395.300	mg

Report Approved by: Joel Nelson
 Joel Nelson
 Laboratory Manager

*= Please review Client Specifications

Report Numbers that have been revised or amended will include a revision number.

This Certificate of Analysis shall not be reproduced, except in full, without written permission from the laboratory. This Certificate of Analysis results apply to the items tested. Further information is available, upon request, when needed for the interpretation of the test results. This Certificate of Analysis is provided for the exclusive use of the addressee. The laboratory accepts no responsibility/liability except for the due performance of inspection and/or analysis in good faith.

May 24, 2021

QUICKSILVER SCIENTIFIC
Attn: Erin Bingham
1376 Miners Drive Suite 101
Lafayette, CO 80026

Order No. 523773
Sample No. 1083639

SAMPLE INFORMATION

Description CBD SYNERGIES-PN
Lot Number AIS2102
Category (Type) Non-Inhalable Edible (Capsule)
Received May 20, 2021

ANALYTICAL RESULTS

Analysis Heavy Metals  **Pass**
Instrument Inductively Coupled Plasma Mass Spectrometry (ICP-MS)
Method MF 24E020
Analysis Date May 20, 2021 to May 24, 2021

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	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	3	Pass
Lead	0.02/0.05	0.06	0.5	Pass

Reported by
Anresco, Inc.

ND = None Detected




Eric Tam
Senior Chemist

May 24, 2021

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

May 26, 2021

QUICKSILVER SCIENTIFIC
Attn: Erin Bingham
1376 Miners Drive Suite 101
Lafayette, CO 80026

Order No. 523773
Sample No. 1083639

SAMPLE INFORMATION

Description CBD SYNERGIES-PN
Lot Number AIS2102
Received May 20, 2021

ANALYTICAL RESULTS

Analysis Date May 20, 2021 to May 26, 2021

Findings	Analysis	Results	Method
	Standard Plate Count	<10 cfu/g	FDA BAM
	Yeast	<10 cfu/g	AOAC 2014.05
	Mold	<10 cfu/g	AOAC 2014.05
	Coliforms	<10 cfu/g	FDA BAM - ECC AGAR
	Escherichia coli	<10 cfu/g	FDA BAM - ECC AGAR
	Pseudomonas	Negative /1g	USP <62>
	Salmonella	Negative /1g	USP <62>
	Staphylococcus aureus	Negative /1g	USP <62>

Reported by
Anresco, Inc.




Allen Zhu
Analyst

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

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May 24, 2021

QUICKSILVER SCIENTIFIC

Attn: Erin Bingham
1376 Miners Drive Suite 101
Lafayette, CO 80026

Order No. 523773
Sample No. 1083639

SAMPLE INFORMATION

Description CBD SYNERGIES-PN
Lot Number AIS2102
Category (Type) Non-Inhalable Edible (Capsule)
Received May 20, 2021

ANALYTICAL RESULTS

Analysis Terpene Profile
Instrument Gas Chromatography Mass Spectrometry (GC/MS)
Method American Herbal Pharmacopoeia
Analysis Date May 20, 2021 to May 24, 2021

Terpene	mg/g	%
α-Pinene	ND	ND
Isopulegol	ND	ND
Camphene	ND	ND
Menthol	ND	ND
β-Myrcene	ND	ND
(-)-Borneol	ND	ND
β-Pinene	ND	ND
Terpineol	0.11	0.011
δ-3-Carene	ND	ND
Citronellol	ND	ND
Limonene	0.05	0.005
Geraniol	ND	ND
α-Terpinene	0.05	0.005
β-Caryophyllene	59.53	5.953
trans-beta-Ocimene	ND	ND
α-Humulene	3.28	0.328
cis-beta-Ocimene	ND	ND
cis-Nerolidol	ND	ND
p-Cymene	0.22	0.022
trans-Nerolidol	0.07	0.007
Eucalyptol	0.66	0.066
Guaiol	ND	ND
γ-Terpinene	0.03	0.003
Caryophyllene Oxide	ND	ND
Terpinolene	0.83	0.083
α-Bisabolol	ND	ND
Linalool	BLOQ	BLOQ
Eudesmol	0.27	0.027
Total Terpenes	65.10	6.510

Reported by
Anresco, Inc.




Ginzu Fung Guan
Analyst

May 24, 2021

Limit of Detection: 0.004 %
Limit of Quantitation: 0.013 %
ND = None Detected
<LOQ = Below Limit of Quantitation
<LOD = Below Limit of Detection

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