



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		
<b>CBD SYNERGIES – PN (RELIEF FORMULA)</b>			

Lot Number:	AIS2101A
Manufacturing Date:	03/2021
Bottle Size:	60 Capsules
Storage Recommendation:	Room Temperature
Shelf Life / EXP Date:	Shelf life is commonly maintained 2 years from manufacturing date.

### Final Product Tests

Test Performed	Method	Specification	Result	Pass/Fail
Aerobic Plate Count	USP2021	≤ 10 <sup>5</sup> cfu/mL	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Coliforms	AOAC 991.14	≤ 100cfu/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	≤ 1000cfu/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	≤ 2ppm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cadmium	ICPMS	≤ 2ppm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Lead	ICPMS	≤ 1ppm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Mercury	ICPMS	≤ 1ppm	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	37.807mg/2 capsules	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cannabidiol	LC/MS/MS or HPLC	≥16 mg/2 capsules	17.84mg/2capsules	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
THC	LC/MS/MS or HPLC	≤ 0.3%	0.07%	<input type="checkbox"/> Pass <input type="checkbox"/> Fail



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Product Code#	QSAIS04		
<b>CBD SYNERGIES – PN (RELIEF FORMULA)</b>			

Test Performed	Method	Specification	Result	Pass/Fail
CBDV	LC/MS/MS or HPLC	For Information Only	Conforms	N/A
CBDA	LC/MS/MS or HPLC	For Information Only	Conforms	N/A
CBG	LC/MS/MS or HPLC	For Information Only	Conforms	N/A
CBN	LC/MS/MS or HPLC	For Information Only	Conforms	N/A
CBC	LC/MS/MS or HPLC	For Information Only	Conforms	N/A

\*100% label claim at the time of manufacture  
 \*\*Solvent and Pesticide testing performed annually.

**NOTES:**

Total Batch Size: 75.32 L

Bottles Produced: 503

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

Ingredient	Manufacturer	Lot Number
Full Spectrum Hemp Extract	CBD Universe	201068/210295
Full Spectrum Hemp Extract		
Full Spectrum Hemp Extract		

Released:  
 Quality Assurance: *Paul* Date: 06/10/2021

June 08, 2021

**QUICKSILVER SCIENTIFIC**

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

Order No. 524236  
Sample No. 1085180

**SAMPLE INFORMATION**

**Description** Hemp Synergies PN  
**Lot Number** AIS2101A  
**Category (Type)** Non-Inhalable Orally Consumed Concentrate (Capsule)  
**Received** June 04, 2021

**ANALYTICAL RESULTS**

**Analysis** Cannabinoid Profile  
**Instrument** Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)  
**Method** MF12D012  
**Analysis Date** June 04, 2021 to June 08, 2021

Cannabinoid	mg/g	%	mg/serving
Δ8-THC	ND	ND	ND
Δ9-THC	0.6645	0.06645	0.6431
Δ9-THCA	ND	ND	ND
THCV	ND	ND	ND
THCVA	ND	ND	ND
CBD	16.9589	1.69589	16.4129
CBDA	ND	ND	ND
CBC	0.5536	0.05536	0.5358
CBCA	ND	ND	ND
CBDV	0.0212	0.00212	0.0206
CBG	0.2140	0.02140	0.2071
CBGA	ND	ND	ND
CBN	0.0220	0.00220	0.0213
Total THC	0.6645	0.06645	0.6431
Total CBD	16.9589	1.69589	16.4128
Total Cannabinoids	18.4343	1.84343	17.8407
Total Active Cannabinoids	18.4343	1.84343	17.8407
<b>Measured Serving Weight (g)</b>	0.9678		

Reported by  
**Anresco, Inc.**




Derek Moy  
Senior Analyst

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

June 08, 2021

If there are any questions with this report, please contact "[compliance@anresco.com](mailto:compliance@anresco.com)".

June 08, 2021

**QUICKSILVER SCIENTIFIC**

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Lafayette, CO 80026

Order No. 524236  
Sample No. 1085180

## SAMPLE INFORMATION

Description Hemp Synergies PN  
Lot Number AIS2101A  
Category (Type) Non-Inhalable Orally Consumed Concentrate (Capsule)  
Received June 04, 2021

## ANALYTICAL RESULTS

Analysis Heavy Metals ✔ Pass  
Instrument Inductively Coupled Plasma Mass Spectrometry (ICP-MS)  
Method MF 24E020  
Analysis Date June 04, 2021 to June 08, 2021

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Arsenic	0.02/0.05	BLOQ	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	0.09	0.5	Pass

Reported by  
**Anresco, Inc.**

ND = None Detected



Eric Tam  
Senior Chemist

June 08, 2021

If there are any questions with this report, please contact "[compliance@anresco.com](mailto:compliance@anresco.com)".

June 08, 2021

**QUICKSILVER SCIENTIFIC**

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1376 Miners Drive Suite 101  
Lafayette, CO 80026

Order No. 524236  
Sample No. 1085180

## SAMPLE INFORMATION

Description Hemp Synergies PN  
Lot Number AIS2101A  
Received June 04, 2021

## ANALYTICAL RESULTS

Analysis Date June 04, 2021 to June 08, 2021

Findings	Analysis	Results	Method
	Coliforms	<10 cfu/g	FDA BAM - ECC Agar
	E. coli	<10 cfu/g	FDA BAM - ECC Agar
	Pseudomonas	<10 cfu/g	CMMEF
	Standard Plate Count	<10 cfu/g	FDA BAM
	Yeast	<10 cfu/g	AOAC 2014.05
	Mold	<10 cfu/g	AOAC 2014.05
	Staphylococcus aureus	<10 cfu/g	AOAC 2003.07

Reported by  
**Anresco, Inc.**

  


Allen Zhu  
Analyst

If there are any questions with this report, please contact "[compliance@anresco.com](mailto:compliance@anresco.com)".

page 1 of 1



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

Report Number: 210604 011-05  
 Date Reported: 6/10/2021 8:07:22 AM

**Sample Details**

Product #: Hemp PN  
 Description: Hemp PN  
 Lot #: AIS2101A  
 Received: 6/4/2021 1:37:36 PM

**Customer Information**

Quicksilver Scientific  
 1376 Miners Drive #101  
 Lafayette, CO 80026

Sample Details:

**Certificate of Analysis**

Chemistry	Method	Specifications	Result	Units
<b>Chemistry</b>				
Bisdemethoxycurcumin	WI.HPLC.381.01		7.307	mg/serving
Curcumin	WI.HPLC.381.01		29.289	mg/serving
Demethoxycurcumin	WI.HPLC.381.01		1.211	mg/serving
Total Curcuminoids	WI.HPLC.381.01	> 35	37.807	mg/serving
<b>Physical</b>				
Serving Size	SNL.MA.210		2.00	Capsule
Average Net Fill Weight	Calculated Sample Weight		440.900	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.

June 08, 2021

**QUICKSILVER SCIENTIFIC**

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1376 Miners Drive Suite 101  
Lafayette, CO 80026

Order No. 524236  
Sample No. 1085180

**SAMPLE INFORMATION**

**Description** Hemp Synergies PN  
**Lot Number** AIS2101A  
**Category (Type)** Non-Inhalable Orally Consumed Concentrate (Capsule)  
**Received** June 04, 2021

**ANALYTICAL RESULTS**

**Analysis** Terpene Profile  
**Instrument** Gas Chromatography Mass Spectrometry (GC/MS)  
**Method** American Herbal Pharmacopoeia  
**Analysis Date** June 04, 2021 to June 08, 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	0.09	0.009
δ -3-Carene	ND	ND
Citronellol	ND	ND
Limonene	0.05	0.005
Geraniol	ND	ND
α-Terpinene	0.05	0.005
β-Caryophyllene	47.64	4.764
trans-beta-Ocimene	ND	ND
α-Humulene	4.65	0.465
cis-beta-Ocimene	ND	ND
cis-Nerolidol	ND	ND
p-Cymene	0.19	0.019
trans-Nerolidol	ND	ND
Eucalyptol	0.57	0.057
Guaiol	ND	ND
γ-Terpinene	0.03	0.003
Caryophyllene Oxide	ND	ND
Terpinolene	0.73	0.073
α-Bisabolol	ND	ND
Linalool	ND	ND
Eudesmol	0.14	0.014
<b>Total Terpenes</b>	<b>54.14</b>	<b>5.414</b>

Reported by  
**Anresco, Inc.**



Kaiyin Chen  
Analyst II

June 08, 2021

Limit of Detection: 0.0004 %  
Limit of Quantitation: 0.0013 %  
ND = None Detected  
<LOQ = Below Limit of Quantitation  
<LOD = Below Limit of Detection

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