



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

## PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

Document #	FP.077	Rev. 3	Effective Date 04/29/2020
Product Code#	QSCBSAX01		
<b>CBD SYNERGIES – AX (CALMING FORMULA)</b>			

<b>Lot Number:</b>	CBSAX2201/1
<b>Manufacturing Date:</b>	01/2022
<b>Bottle Size:</b>	50 mL
<b>Storage Recommendation:</b>	Room Temperature
<b>Shelf Life / EXP Date:</b>	Freshness is commonly maintained two years from manufacturing date.

### Final Product Tests

Test Performed	Method	Specification	Result	Pass/Fail
Aerobic Plate Count	USP2021	≤ 10 <sup>5</sup> cfu/mL	Confoms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Coliforms	AOAC 991.14	≤ 100cfu/mL	Confoms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
<i>E. Coli</i>	USP2022	Absent	Confoms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
<i>Staph aureus</i>	USP2022	Absent	Confoms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Yeast/Mold	USP2021	≤ 1000cfu/mL	Confoms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Salmonella	USP2022	Absent	Confoms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
<i>Pseudo. aeruginosa</i>	mUSP62	Absent	Confoms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Arsenic	ICPMS	≤ 2ppm	<0.005 ppm	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cadmium	ICPMS	≤ 2ppm	<0.005 ppm	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Lead	ICPMS	≤ 1ppm	<0.005 ppm	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Mercury	ICPMS	≤ 1ppm	<0.005 ppm	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Liposome size	DLS	10nm – 70nm	Confoms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
5-HTP	HPLC	≥10 mg/2mL	13.325mg/serving	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cannabidiol	LC/MS/MS or HPLC	≥10 mg/2mL	6.42mg/ml	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
THC	LC/MS/MS or HPLC	≤ 0.01%	<0.001%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
CBDA	LC/MS/MS or HPLC	For Information Only	<0.001mg/ml	N/A



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Product Code#	QSCBSAX01	3	04/29/2020
<b>CBD SYNERGIES – AX (CALMING FORMULA)</b>			

Test Performed	Method	Specification	Result	Pass/Fail
CBG	LC/MS/MS or HPLC	For Information Only	0.362mg/ml	N/A
CBN	LC/MS/MS or HPLC	For Information Only	<0.001 mg/ml	N/A
CBC	LC/MS/MS or HPLC	For Information Only	<0.001 mg/ml	N/A
CBDA	LC/MS/MS or HPLC	For Information Only	0.0174mg/ml	N/A

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

**NOTES:**

N/A

Total Batch Size: 100L

Bottles Produced: 304

Product Description: Liposomal hemp tincture. 10mg cannabinoids per serving.

Ingredient	Manufacturer	Lot Number
Broad Spectrum Hemp Extract	CBD UNIVERSE	210780
Broad Spectrum Hemp Extract	CBD UNIVERSE	211104
Broad Spectrum Hemp Extract	N/A	LA02.25.2022

Released:

Quality Assurance: Loan Myers Date: 02.25.2022





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Document #	FP.077	Rev. 3	Effective Date
Product Code#	QSCBSAX01		04/29/2020
<b>CBD SYNERGIES – AX (CALMING FORMULA)</b>			

<b>Lot Number:</b>	CBSAX2201/2
<b>Manufacturing Date:</b>	01/2022
<b>Bottle Size:</b>	50 mL
<b>Storage Recommendation:</b>	Room Temperature
<b>Shelf Life / EXP Date:</b>	Freshness is commonly maintained two years from manufacturing date.

### Final Product Tests

Test Performed	Method	Specification	Result	Pass/Fail
Aerobic Plate Count	USP2021	≤ 10 <sup>5</sup> cfu/mL	Confoms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Coliforms	AOAC 991.14	≤ 100cfu/mL	Confoms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
<i>E. Coli</i>	USP2022	Absent	Confoms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
<i>Staph aureus</i>	USP2022	Absent	Confoms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Yeast/Mold	USP2021	≤ 1000cfu/mL	Confoms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Salmonella	USP2022	Absent	Confoms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
<i>Pseudo. aeruginosa</i>	mUSP62	Absent	Confoms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Arsenic	ICPMS	≤ 2ppm	<0.005 ppm	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cadmium	ICPMS	≤ 2ppm	<0.005 ppm	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Lead	ICPMS	≤ 1ppm	<0.005 ppm	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Mercury	ICPMS	≤ 1ppm	<0.005 ppm	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Liposome size	DLS	10nm – 70nm	Confoms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
5-HTP	HPLC	≥10 mg/2mL	13.325mg/serving	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cannabidiol	LC/MS/MS or HPLC	≥10 mg/2mL	6.42mg/ml	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
THC	LC/MS/MS or HPLC	≤ 0.01%	<0.001%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
CBDA	LC/MS/MS or HPLC	For Information Only	<0.001mg/ml	N/A



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<b>CBD SYNERGIES – AX (CALMING FORMULA)</b>			

Test Performed	Method	Specification	Result	Pass/Fail
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CBN	LC/MS/MS or HPLC	For Information Only	<0.001 mg/ml	N/A
CBC	LC/MS/MS or HPLC	For Information Only	<0.001 mg/ml	N/A
CBDA	LC/MS/MS or HPLC	For Information Only	0.0174mg/ml	N/A

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

**NOTES:**

N/A

Total Batch Size: 100L

Bottles Produced: 1415

Product Description: Liposomal hemp tincture. 10mg cannabinoids per serving.

Ingredient	Manufacturer	Lot Number
Broad Spectrum Hemp Extract	CBD UNIVERSE	210780
Broad Spectrum Hemp Extract	CBD UNIVERSE	211104
Broad Spectrum Hemp Extract	N/A	LA 02.25.2022

Released:

Quality Assurance: Laura Miller Date: 02.25.2022



1960 Cherry Street Louisville, CO 80027  
(303) 531-0861  
[qs.labtesting@quicksilverscientific.com](mailto:qs.labtesting@quicksilverscientific.com)  
Lab Accreditation Number: 6052.01

Contact Name: Selena Martinez  
Contact Information: [qs.testresults@quicksilverscientific.com](mailto:qs.testresults@quicksilverscientific.com)

Sample Information

Product:	CBD Synergies-AX	Date Received:	January 27, 2022
Description:	Liposome	Date Analyzed:	January 28, 2022
Lot/Batch#:	CBSAX2201	Report Date:	February 1, 2022

**Certificate of Analysis**

Analyte	Method	Reporting Limit	Result	Units	Client Product Specifications
CBDV	QSS-CANNS-HPLC-DAD-DS / In-house Method	0.001	0.0174	mg/mL	N/A
CBDA	QSS-CANNS-HPLC-DAD-DS / In-house Method	0.001	< 0.001	mg/mL	N/A
CBG	QSS-CANNS-HPLC-DAD-DS / In-house Method	0.001	0.362	mg/mL	N/A
CBD	QSS-CANNS-HPLC-DAD-DS / In-house Method	0.001	6.42	mg/mL	N/A
THCV	QSS-CANNS-HPLC-DAD-DS / In-house Method	0.001	< 0.001	mg/mL	N/A
CBN	QSS-CANNS-HPLC-DAD-DS / In-house Method	0.001	< 0.001	mg/mL	N/A
Delta-9-THC	QSS-CANNS-HPLC-DAD-DS / In-house Method	0.001	< 0.001	%	N/A
CBC	QSS-CANNS-HPLC-DAD-DS / In-house Method	0.001	< 0.001	mg/mL	N/A
THCA	QSS-CANNS-HPLC-DAD-DS / In-house Method	0.001	< 0.001	mg/mL	N/A

Report Approved by:

Renee A Cortez  
Quality Assurance Officer

\*\*The results generated on this report correlate only to the samples received and tested by the laboratory. The laboratory is not responsible for sampling, therefore results are based solely on samples submitted to the laboratory.

### Certificate Of Analysis

Quicksilver Scientific  
1960 Cherry St  
Louisville, CO 80027

Certificate ID 180393  
Report Date 01-31-2022  
Customer PO  
Receipt Date 01-28-2022  
Test Completion Date 01-31-2022

#### Analytical Testing Results

Customer Lot CBSAX2201/1  
Description Hemp Synergies-AX

Lab Sample ID 656874  
Serving Size 2 Milliliters

Method USP <62>/GL-480  
Analysis  
Pseudomonas aeruginosa

Test Type	Pseudomonas aeruginosa		
Specification	Negative	Result	U/M
		Negative	

Method ^ AOAC 2014.05/GL-451  
Analysis  
Yeasts and Molds

Test Type	Yeasts and Molds		
Specification	Report	Result	U/M
		<10	cfu/g

Method ^ USP <2022>/GL-461  
Analysis  
Salmonella

Test Type	Salmonella		
Specification	Negative	Result	U/M
		Negative	

Method ^ USP <2022>/GL-441  
Analysis  
Staphylococcus aureus

Test Type	Staphylococcus aureus		
Specification	Negative	Result	U/M
		Negative	

Method ^ USP <2022>/GL-423  
Analysis  
E. coli

Test Type	E. coli		
Specification	Negative	Result	U/M
		Negative	

Method ^ AOAC 991.14/GL-420  
Analysis  
Coliforms

Test Type	Coliforms		
Specification	Report	Result	U/M
		<10	cfu/g

Method ^ USP <2021>/GL-411  
Analysis  
Aerobic Plate Count

Test Type	Aerobic Plate Count		
Specification	Report	Result	U/M
		<10	cfu/g



1945 S. Fremont Drive  
Salt Lake City, Utah 84104  
Phone: 801.973.8824  
www.dyadlabs.com

Laboratory Comments:

Certificate ID#: 180393

Reviewed By: Sam Black

Approved By: 

Edgar Grigorian, VP of Technical Affairs  
On Behalf of Dyad Labs

**Laboratory Notes:**

Samples were received in acceptable condition unless otherwise noted in the laboratory comments section. This report may not be distributed or reproduced except in full, without written permission from Dyad Labs. Client shall not at any time misrepresent or alter the contents of this report. Any violation of these conditions voids this report. Dyad Labs assumes no responsibility, and client hereby waives all claims against Dyad Labs, for interpretation of such results. The results apply only to the sample(s) provided by the client. All work is done in accordance with Dyad Labs Terms and Conditions of Sale. Full text available on [www.dyadlabs.com/Terms](http://www.dyadlabs.com/Terms). ISO/IEC 17025:2017 accreditation # 71216, certificate # L21-39. The validity of this accreditation certificate should be confirmed through the PJLA website: [www.pjlab.com](http://www.pjlab.com)

**Result Symbol Definitions:**

^ = ISO 17025 certified method

\* = Analysis performed at a subcontract location