



**IEH**  
Laboratories &  
Consulting Group

# CERTIFICATE OF ANALYSIS

## Quicksilver Scientific

Contact: Jena Murray  
1376 Miners Dr. Ste 101  
Lafayette, CO 80026  
Phone: 3035310861

**IEH Laboratories & Consulting Group**  
IEH-Lake Forest Park  
15300 Bothell Way NE  
Lake Forest Park, WA 98155  
Phone: 206-522-5432 Fax: 206-524-4639  
www.iehinc.com

### TRADE SECRET / CONFIDENTIAL COMMERCIAL INFORMATION

<b>Lab &amp; Cust. Sample Id</b>	<b>WO: 1144986</b>
<b>Description / Method / Result</b>	<b>1144986-001 (CBSSP1901) supplement CBD Synergies SP</b>
<b>Contact:</b>	<b>Sales Order #</b>
<b>Phone:</b>	<b>Purchase Order # lipo</b>
<b>Fax:</b>	
<b>Samples Received:</b>	<b>9/27/2019</b>
<b>Report Date:</b>	<b>9/28/2019</b>
<b>Report No:</b>	<b>LFP-204130</b>

Analysis Date: 9/27/2019

Lab & Cust. Sample Id	Description / Method / Result	Analysis Date	Result	Unit
1144986-001 (CBSSP1901)	Almond Protein Allergen	9/27/2019	Not Detected	ppm
	Buckwheat Protein Allergen		Not Detected	ppm
	Crustacean Protein Allergen		Not Detected	ppm
	Egg Protein Allergen		Not Detected	ppm
	Gluten Allergen		Not Detected	ppm
	Hazelnut Protein Allergen		Not Detected	ppm
	Lupin Residue		Not Detected	ppm
	Mustard Protein Allergen		Not Detected	ppm
	Peanut Protein Allergen		Not Detected	ppm
	Sesame Seed Protein Allergen		Not Detected	ppm
	Soy Protein Allergen		Not Detected	ppm
	Total Milk Protein		Not Detected	ppm
	Brazil Nut Protein Lateral Flow		Not Detected	/ppm
	Cashew Protein Lateral Flow		Not Detected	/ppm
	Celery Specific DNA Test		Not Detected	

UNLESS OTHERWISE NOTED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION. THE RESULT(S) IN THIS REPORT RELATE ONLY TO THE PORTION OF THE SAMPLE(S) TESTED. THIS REPORT DOES NOT CONSTITUTE A RELEASE OF PRODUCT FOR CONSUMPTION. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS DOCUMENT CONTAINS CONFIDENTIAL COMMERCIAL INFORMATION PURSUANT TO 5 U.S.C. SEC. 552(b)(4).

*Eni Themeli*

Authorized Analyst: Eni Themeli



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<b>Lab &amp; Cust. Sample Id</b>	<b>Description / Method / Result</b>	<b>Contact:</b>	<b>Sales Order #</b>
<b>WO: 1144986</b>		<b>Phone:</b>	<b>Purchase Order # lipo</b>
		<b>Fax:</b>	
		<b>Samples Received: 9/27/2019</b>	<b>Report Date: 9/28/2019</b>
			<b>Report No: LFP-204130</b>

Lab & Cust. Sample Id	Description / Method / Result	Result	Unit
	Coconut Protein Lateral Flow	Not Detected	/ppm
	Fish Specific DNA Test	Not Detected	
	Macadamia Protein Lateral Flow	Not Detected	/ppm
	Pine Nut Protein Lateral Flow	Not Detected	/ppm
	Pistachio Protein Lateral Flow	Not Detected	/ppm
	Walnut/Pecan Protein Lateral Flow	Not Detected	/ppm

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*Eni Themeli*

Authorized Analyst: Eni Themeli



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# CERTIFICATE OF ANALYSIS

Quicksilver Scientific

Contact: Jena Murray  
 1376 Miners Dr. Ste 101  
 Lafayette, CO 80026  
 Phone: 3035310861

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TRADE SECRET / CONFIDENTIAL COMMERCIAL INFORMATION

**Contact:**

**Phone:**

**Sales Order # ,**

**Purchase Order # lipo**

WO: 1146298

**Samples Received:** 10/23/2019

**Report Date:** 10/24/2019

**Report No:** LFP-205537

Lab Sample No	Customer Sample ID	Sample Desc	Customer Comments	GMO
1146298-001	CBSAX190/2	Supplement	CBD Synergies - AX	Not Detected
1146298-002	CBSSP1901/2	Supplement	CBD Synergies - SP	Not Detected
1146298-003	AIS1901/1	Capsule	CBD Synergies - PN	Not Detected
1146298-004	AMS1901/1	Capsule	Microb-Manager	Not Detected

Test Method: GMO = GMO MB541, MB544 (PCR Analysis)

Note This sample was tested for the CaMV 35s promoter, FMV promoter, and NOS terminator. Sufficiently intact DNA was extracted from the sample for valid PCR analysis. Method Detection Limit (MDL) is 0.01%.

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Authorized Analyst: Kristina Tenney

October 02, 2019

## QUICKSILVER SCIENTIFIC

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

Order No. 508648  
 Sample No. 1034828

### SAMPLE INFORMATION

**Description** CBD Synergies SP (bulk)  
**Lot Number** CBSSP1901  
**Category (Type)** Other (Tincture)  
**Received** September 27, 2019

### ANALYTICAL RESULTS

**Analysis** Pesticide Residue Screen ✔ Pass  
**Instrument** Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography  
 Tandem Mass Spectrometry (GC-MS/MS)  
**Method** MF 21P030  
**Analysis Date** September 27, 2019 to October 02, 2019

Analyte	LOD / LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Abamectin	0.04/0.10	ND	0.3	Pass
Acephate	0.04/0.10	ND	5.0	Pass
Acequinocyl	0.04/0.10	ND	4.0	Pass
Acetamiprid	0.04/0.10	ND	5.0	Pass
Aldicarb	0.04/0.10	ND	0.04	Pass
Azoxystrobin	0.04/0.10	ND	40.0	Pass
Bifenazate	0.04/0.10	ND	5.0	Pass
Bifenthrin	0.20/0.50	ND	0.5	Pass
Boscalid	0.04/0.10	ND	10.0	Pass
Captan	0.25/0.70	ND	5.0	Pass
Carbaryl	0.20/0.50	ND	0.5	Pass
Carbofuran	0.04/0.10	ND	0.04	Pass
Chlorantraniliprole	0.04/0.10	ND	40.0	Pass
Chlordane	0.04/0.10	ND	0.04	Pass
Chlorfenapyr	0.04/0.10	ND	0.04	Pass
Chlorpyrifos	0.04/0.10	ND	0.04	Pass
Clofentezine	0.04/0.10	ND	0.5	Pass
Coumaphos	0.04/0.10	ND	0.04	Pass
Cyfluthrin	0.70/2.00	ND	1.0	Pass
Cypermethrin	0.35/1.00	ND	1.0	Pass
Daminozide	0.04/0.10	ND	0.04	Pass
DDVP (Dichlorovous)	0.04/0.10	ND	0.04	Pass
Diazinon	0.04/0.10	ND	0.2	Pass
Dimethoate	0.04/0.10	ND	0.04	Pass
Dimethomorph	0.04/0.10	ND	20.0	Pass
Ethoprop(hos)	0.04/0.10	ND	0.04	Pass
Etofenprox	0.04/0.10	ND	0.04	Pass
Etoxazole	0.04/0.10	ND	1.5	Pass

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

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Analyte	LOD / LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Fenhexamid	0.04/0.10	ND	10.0	Pass
Fenoxycarb	0.04/0.10	ND	0.04	Pass
Fenpyroximate	0.04/0.10	ND	2.0	Pass
Fipronil	0.04/0.10	ND	0.04	Pass
Flonicamid	0.04/0.10	ND	2.0	Pass
Fludioxanil	0.04/0.10	ND	30.0	Pass
Hexythiazox	0.04/0.10	ND	2.0	Pass
Imazalil	0.04/0.10	ND	0.04	Pass
Imidacloprid	0.04/0.10	ND	3.0	Pass
Kresoxim Methyl	0.04/0.10	ND	1.0	Pass
Malathion	0.20/0.50	ND	5.0	Pass
Metalaxyl	0.04/0.10	ND	15.0	Pass
Methiocarb	0.04/0.10	ND	0.04	Pass
Methomyl	0.04/1.00	ND	0.1	Pass
Methyl parathion	0.04/0.10	ND	0.04	Pass
Mevinphos	0.04/0.10	ND	0.04	Pass
Myclobutanil	0.04/0.10	ND	9.0	Pass
Naled	0.50/1.50	ND	0.5	Pass
Oxamyl	0.20/0.50	ND	0.2	Pass
Paclbutrazol	0.04/0.10	ND	0.04	Pass
Pentachloronitrobenzene	0.04/0.10	ND	0.2	Pass
Permethrins	0.20/0.50	ND	20.0	Pass
Phosmet	0.04/0.10	ND	0.2	Pass
Piperonyl Butoxide	0.04/0.10	ND	8.0	Pass
Prallethrin	0.50/1.50	ND	0.4	Pass
Propiconazole	0.04/0.10	ND	20.0	Pass
Propoxur	0.04/0.10	ND	0.04	Pass
Pyrethrins	0.20/0.50	ND	1.0	Pass
Pyridaben	0.04/0.10	ND	3.0	Pass
Spinetoram	0.04/0.10	ND	3.0	Pass
Spinosad	0.04/0.10	ND	3.0	Pass
Spiromesifen	0.04/0.10	ND	12.0	Pass
Spirotetramat	0.04/0.10	ND	13.0	Pass
Spiroxamine	0.04/0.10	ND	0.04	Pass
Tebuconazole	0.04/0.10	ND	2.0	Pass
Thiacloprid	0.04/0.10	ND	0.04	Pass
Thiamethoxam	0.35/1.00	ND	4.5	Pass
Trifloxystrobin	0.04/0.10	ND	30.0	Pass
Acetochlor	0.04-0.20 / 0.1-0.5	ND	-	-
Alachlor	0.04-0.20 / 0.1-0.5	ND	-	-
Aldicarb Sulfone	0.04-0.20 / 0.1-0.5	ND	-	-
Aldicarb sulfoxide*	0.04-0.20 / 0.1-0.5	ND	-	-
Aldrin*	0.04-0.20 / 0.1-0.5	ND	-	-
Atrazine	0.04-0.20 / 0.1-0.5	ND	-	-
Benfluralin	0.04-0.20 / 0.1-0.5	ND	-	-
BHC alpha	0.04-0.20 / 0.1-0.5	ND	-	-
BHC beta	0.04-0.20 / 0.1-0.5	ND	-	-
Bitertanol	0.04-0.20 / 0.1-0.5	ND	-	-
Buprofezin	0.04-0.20 / 0.1-0.5	ND	-	-
Carbendazim (MBC)	0.04-0.20 / 0.1-0.5	ND	-	-

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Analyte	LOD / LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Carfentrazone ethyl	0.04-0.20 / 0.1-0.5	ND	-	-
Chlorobenzilate	0.04-0.20 / 0.1-0.5	ND	-	-
Chlorotoluron	0.04-0.20 / 0.1-0.5	ND	-	-
Chlorpropham	0.04-0.20 / 0.1-0.5	ND	-	-
Chlorpyrifos methyl	0.04-0.20 / 0.1-0.5	ND	-	-
Chlorthiophos	0.04-0.20 / 0.1-0.5	ND	-	-
Clethodim	0.04-0.20 / 0.1-0.5	ND	-	-
Clomazone	0.04-0.20 / 0.1-0.5	ND	-	-
Clothianidin	0.04-0.20 / 0.1-0.5	ND	-	-
Cyazofamid*	0.04-0.20 / 0.1-0.5	ND	-	-
Cymoxanil*	0.04-0.20 / 0.1-0.5	ND	-	-
Cyprodinil*	0.04-0.20 / 0.1-0.5	ND	-	-
Cyromazine	0.04-0.20 / 0.1-0.5	ND	-	-
DCPA (Dacthal)	0.04-0.20 / 0.1-0.5	ND	-	-
Diallate	0.04-0.20 / 0.1-0.5	ND	-	-
Dieldrin	0.04-0.20 / 0.1-0.5	ND	-	-
Diflubenzuron	0.04-0.20 / 0.1-0.5	ND	-	-
Dimethachlor	0.04-0.20 / 0.1-0.5	ND	-	-
Diniconazole	0.04-0.20 / 0.1-0.5	ND	-	-
Dinotefuran	0.04-0.20 / 0.1-0.5	ND	-	-
Diphenamid	0.04-0.20 / 0.1-0.5	ND	-	-
Diphenylamine (DPA)	0.04-0.20 / 0.1-0.5	ND	-	-
Diuron	0.04-0.20 / 0.1-0.5	ND	-	-
Esfenvalerate	0.04-0.20 / 0.1-0.5	ND	-	-
Ethalfuralin	0.04-0.20 / 0.1-0.5	ND	-	-
Ethylan	0.04-0.20 / 0.1-0.5	ND	-	-
Etridazole*	0.04-0.20 / 0.1-0.5	ND	-	-
Fenarimol	0.04-0.20 / 0.1-0.5	ND	-	-
Fenbuconazole	0.04-0.20 / 0.1-0.5	ND	-	-
Fenpropimorph	0.04-0.20 / 0.1-0.5	ND	-	-
Fenthion	0.04-0.20 / 0.1-0.5	ND	-	-
Fenvalerate	0.04-0.20 / 0.1-0.5	ND	-	-
Fluazifop-P-butyl	0.04-0.20 / 0.1-0.5	ND	-	-
Flubendiamide	0.04-0.20 / 0.1-0.5	ND	-	-
Fluchloralin	0.04-0.20 / 0.1-0.5	ND	-	-
Flucythrinate	0.04-0.20 / 0.1-0.5	ND	-	-
Fluoxastrobin	0.04-0.20 / 0.1-0.5	ND	-	-
Flusilazole	0.04-0.20 / 0.1-0.5	ND	-	-
Flutolanil	0.04-0.20 / 0.1-0.5	ND	-	-
Flutriafol	0.04-0.20 / 0.1-0.5	ND	-	-
Fonofos*	0.04-0.20 / 0.1-0.5	ND	-	-
Formetanate Hydrochloride	0.04-0.20 / 0.1-0.5	ND	-	-
Heptachlor	0.04-0.20 / 0.1-0.5	ND	-	-
Hexachlorobenzene	0.04-0.20 / 0.1-0.5	ND	-	-
Hexaconazole	0.04-0.20 / 0.1-0.5	ND	-	-
Hexazinone	0.04-0.20 / 0.1-0.5	ND	-	-
3-Hydroxycarbofuran	0.04-0.20 / 0.1-0.5	ND	-	-
Indoxacarb*	0.04-0.20 / 0.1-0.5	ND	-	-
Isazophos	0.04-0.20 / 0.1-0.5	ND	-	-
Isopropalin	0.04-0.20 / 0.1-0.5	ND	-	-

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Analyte	LOD / LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Isoproturon	0.04-0.20 / 0.1-0.5	ND	-	-
Lindane	0.04-0.20 / 0.1-0.5	ND	-	-
Linuron*	0.04-0.20 / 0.1-0.5	ND	-	-
Mandipropamid	0.04-0.20 / 0.1-0.5	ND	-	-
Methamidophos	0.04-0.20 / 0.1-0.5	ND	-	-
Methoxychlor*	0.04-0.20 / 0.1-0.5	ND	-	-
4-4'-Methoxychlor olefin	0.04-0.20 / 0.1-0.5	ND	-	-
Methoxyfenozide	0.04-0.20 / 0.1-0.5	ND	-	-
Metolachlor	0.04-0.20 / 0.1-0.5	ND	-	-
MGK 264*	0.04-0.20 / 0.1-0.5	ND	-	-
Mirex*	0.04-0.20 / 0.1-0.5	ND	-	-
Novaluron	0.04-0.20 / 0.1-0.5	ND	-	-
5-OH Thiabendazole*	0.04-0.20 / 0.1-0.5	ND	-	-
Omethoate*	0.04-0.20 / 0.1-0.5	ND	-	-
Oxadiazon	0.04-0.20 / 0.1-0.5	ND	-	-
Oxyflourfen	0.04-0.20 / 0.1-0.5	ND	-	-
Parathion	0.04-0.20 / 0.1-0.5	ND	-	-
Pebulate*	0.04-0.20 / 0.1-0.5	ND	-	-
Penconazole	0.04-0.20 / 0.1-0.5	ND	-	-
Pendimethalin	0.04-0.20 / 0.1-0.5	ND	-	-
Pentachloroaniline	0.04-0.20 / 0.1-0.5	ND	-	-
Pentachloroanisole	0.04-0.20 / 0.1-0.5	ND	-	-
Pentachlorobenzene	0.04-0.20 / 0.1-0.5	ND	-	-
Pentachlorobenzonitrile	0.04-0.20 / 0.1-0.5	ND	-	-
2-Phenylphenol	0.04-0.20 / 0.1-0.5	ND	-	-
Pirimicarb	0.04-0.20 / 0.1-0.5	ND	-	-
Pirimiphos-ethyl	0.04-0.20 / 0.1-0.5	ND	-	-
Pirimiphos methyl	0.04-0.20 / 0.1-0.5	ND	-	-
Pretilachlor	0.04-0.20 / 0.1-0.5	ND	-	-
Prochloraz*	0.04-0.20 / 0.1-0.5	ND	-	-
Procymidone	0.04-0.20 / 0.1-0.5	ND	-	-
Propamocarb	0.04-0.20 / 0.1-0.5	ND	-	-
Propargite	0.04-0.20 / 0.1-0.5	ND	-	-
Propisochlor	0.04-0.20 / 0.1-0.5	ND	-	-
Propyzamide	0.04-0.20 / 0.1-0.5	ND	-	-
Prothiofos	0.04-0.20 / 0.1-0.5	ND	-	-
Pymetrozine	0.04-0.20 / 0.1-0.5	ND	-	-
Pyraclostrobin	0.04-0.20 / 0.1-0.5	ND	-	-
Pyrimethanil	0.04-0.20 / 0.1-0.5	ND	-	-
Pyriproxyfen	0.04-0.20 / 0.1-0.5	ND	-	-
Quinalphos	0.04-0.20 / 0.1-0.5	ND	-	-
Quintozene	0.04-0.20 / 0.1-0.5	ND	-	-
Sulfentrazone	0.04-0.20 / 0.1-0.5	ND	-	-
Sulfotep	0.04-0.20 / 0.1-0.5	ND	-	-
Tau-Fluvalinate	0.04-0.20 / 0.1-0.5	ND	-	-
Tebufenozide	0.04-0.20 / 0.1-0.5	ND	-	-
Tecnazene	0.04-0.20 / 0.1-0.5	ND	-	-
Tefluthrin	0.04-0.20 / 0.1-0.5	ND	-	-
Terbutylazine	0.04-0.20 / 0.1-0.5	ND	-	-
Tetrachloroaniline	0.04-0.20 / 0.1-0.5	ND	-	-



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Analyte	LOD / LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Tetradifon	0.04-0.20 / 0.1-0.5	ND	-	-
Thiobencarb	0.04-0.20 / 0.1-0.5	ND	-	-
Tolclofos-methyl	0.04-0.20 / 0.1-0.5	ND	-	-
Transfluthrin	0.04-0.20 / 0.1-0.5	ND	-	-
Triadimefon	0.04-0.20 / 0.1-0.5	ND	-	-
Triallate	0.04-0.20 / 0.1-0.5	ND	-	-
Trichlorfon	0.04-0.20 / 0.1-0.5	ND	-	-
Tricyclazole	0.04-0.20 / 0.1-0.5	ND	-	-
Triflumizole	0.04-0.20 / 0.1-0.5	ND	-	-
Trifluralin	0.04-0.20 / 0.1-0.5	ND	-	-
Vamidothion	0.04-0.20 / 0.1-0.5	ND	-	-
Vinclozolin	0.04-0.20 / 0.1-0.5	ND	-	-

Reported by  
**Anresco, Inc.**

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

  
  
 Mark Rosasco  
 Analyst

October 02, 2019

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

page 5 of 5



October 02, 2019

**QUICKSILVER SCIENTIFIC**

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

Order No. 508648  
Sample No. 1034828

**SAMPLE INFORMATION**

**Description** CBD Synergies SP (bulk)  
**Lot Number** CBSSP1901  
**Category (Type)** Other (Tincture)  
**Received** September 27, 2019

**ANALYTICAL RESULTS**

**Analysis** Residual Solvent Screen ✘ Fail  
**Instrument** Gas Chromatography Mass Spectrometry (GC/MS)  
**Method** USP OVI<467>  
**Analysis Date** September 27, 2019 to October 02, 2019

Analyte	LOD / LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
1,2-Dichloroethane	0.40/1.00	ND	1.0	Pass
Acetone	17/75	ND	5000	Pass
Acetonitrile	1/6	ND	410	Pass
Benzene	0.40/1.00	ND	1.0	Pass
n-Butane	200/600	ND	5000	Pass
Chloroform	0.40/1.00	ND	1.0	Pass
Ethanol	22/100	107000	5000	Fail
Ethyl Acetate	9/40	ND	5000	Pass
Ethyl Ether	11/50	ND	5000	Pass
Ethylene Oxide	0.40/1.00	ND	1.0	Pass
n-Heptane	11/50	ND	5000	Pass
n-Hexane	1/5	ND	290	Pass
Isopropyl Alcohol	11/50	ND	5000	Pass
Methanol	6/25	ND	3000	Pass
Methylene Chloride	0.40/1.00	ND	1.0	Pass
n-Pentane	17/75	ND	5000	Pass
Propane	125/250	ND	5000	Pass
Toluene	3/15	ND	890	Pass
Total Xylenes	1/3	ND	2170	Pass
Trichloroethylene	0.40/1.00	ND	1.0	Pass

Reported by  
**Anresco, Inc.**

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




Darryl Cudia  
Analyst

October 02, 2019

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

page 1 of 1



# CERTIFICATE OF ANALYSIS

## QUICKSILVER SCIENTIFIC, INC.

Contact: JANET NEELEY, QA MANAGER  
1376 MINERS DRIVE, SUITE 101  
LAFAYETTE, COLORADO 80026  
Phone: 303-531-0861 ext. 179

IEH Laboratories & Consulting Group  
IEH-Warren Analytical Laboratory  
650 O St.  
Greeley, CO 80631  
Phone: 970-475-0252 Fax: 970-475-0280  
www.iehinc.com / www.warrenlab.com

TRADE SECRET / CONFIDENTIAL COMMERCIAL INFORMATION

Contact: Sales Order # ,  
Phone: Purchase Order # LIPO

WO: 1909538 Samples Received: 9/27/2019 Report Date: 10/1/2019 Report No: WAL-131287

Sample ID#	Test Date	Coll. Date	Form	Type	Description	Sulfide (ppm)
19CH-1909538-38324	9/27/2019	9/26/2019	Liquid	Product	CBD SYNERGIES AX (BULK) -CBSAX1901	18
19CH-1909538-38325	9/27/2019	9/26/2019	Liquid	Product	CBD SYNERGIES SP (BULK) -CBSSP1901	19

Test Method: Sulfide = Sulfide AOAC 990.28

UNLESS OTHERWISE NOTED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION. THE RESULT(S) IN THIS REPORT RELATE ONLY TO THE PORTION OF THE SAMPLE(S) TESTED. THIS REPORT DOES NOT CONSTITUTE A RELEASE OF PRODUCT FOR CONSUMPTION. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS DOCUMENT CONTAINS CONFIDENTIAL COMMERCIAL INFORMATION PURSUANT TO 5 U.S.C. SEC. 552(b)(4).

Authorized Analyst: Melanie Carwin President



# CERTIFICATE OF ANALYSIS

## QUICKSILVER SCIENTIFIC, INC.

Contact: JANET NEELEY, QA MANAGER  
 1376 MINERS DRIVE, SUITE 101  
 LAFAYETTE, COLORADO 80026  
 Phone: 303-531-0861 ext. 179

IEH Laboratories & Consulting Group  
 IEH-Warren Analytical Laboratory  
 650 O St.  
 Greeley, CO 80631  
 Phone: 970-475-0252 Fax: 970-475-0280  
 www.iehinc.com / www.warrenlab.com

TRADE SECRET / CONFIDENTIAL COMMERCIAL INFORMATION

Contact: Phone:	Sales Order # , Purchase Order # lipo
WO: 1910998	
Samples Received: 11/19/2019 Report Date: 11/29/2019 Report No: WAL-133002	

Sample ID#	Test Date	Coll. Date	Form	Type	Description	Sulfite (ppm)	Sulfur Dioxide (ppm)
19CH-1910998-43951	11/19/2019	11/18/2019	Finished Goods	Product	CBD Synergies - PN / AIS1901/2	<10	<10
19CH-1910998-43952	11/19/2019	11/18/2019	Liquid	Product	CBD Synergies - SP / CBSSP1901/2	<10	<10
19CH-1910998-43953	11/19/2019	11/18/2019	Liquid	Product	CBD Synergies - AX / CBSAX1901/2	<10	<10
19CH-1910998-43954	11/19/2019	11/18/2019	Finished Goods	Product	Microb-Manager - AIS1901/1	<10	<10
19CH-1910998-43955	11/19/2019	11/18/2019	Liquid	Product	Full Spectrum Hemp Extract / FSHO1902/1	<10	<10
19CH-1910998-43956	11/19/2019	11/18/2019	Liquid	Product	Broad Spectrum Hemp Extract / BSHO1902/4	<10	<10

Test Method: Sulfite = Sulfite - Mod. Monier-Williams AOAC 990.28, Sulfur Dioxide = Sulfur Dioxide AOAC 990.28

UNLESS OTHERWISE NOTED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION. THE RESULT(S) IN THIS REPORT RELATE ONLY TO THE PORTION OF THE SAMPLE(S) TESTED. THIS REPORT DOES NOT CONSTITUTE A RELEASE OF PRODUCT FOR CONSUMPTION. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS DOCUMENT CONTAINS CONFIDENTIAL COMMERCIAL INFORMATION PURSUANT TO 5 U.S.C. SEC. 552(b)(4).

*Melanie Carwin President*

Authorized Analyst: Melanie Carwin President

July 20, 2020

**QUICKSILVER SCIENTIFIC**

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

Order No. 514374  
Sample No. 1053387

**SAMPLE INFORMATION**

**Description** CBD Synergies-SP  
**Lot Number** CBSSP2002  
**Category (Type)** Orally Consumed Concentrate (Tincture)  
**Received** July 15, 2020

**ANALYTICAL RESULTS**

**Analysis** Cannabinoid Profile  
**Instrument** Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)  
**Method** MF12D012  
**Analysis Date** July 15, 2020 to July 20, 2020

Analyte	mg/g	%	mg/ml	Status
Δ8-THC	ND	ND	ND	-
Δ9-THC	0.201	0.0201	0.2164	-
Δ9-THCA	ND	ND	ND	-
THCV	<LOQ (0.0028)	<LOQ (0.00028)	0.003	-
THCVA	ND	ND	ND	-
CBD	4.4918	0.44918	4.8358	-
CBDA	ND	ND	ND	-
CBC	0.1637	0.01637	0.1763	-
CBCA	ND	ND	ND	-
CBDV	0.0444	0.00444	0.0478	-
CBG	0.1204	0.01204	0.1297	-
CBGA	ND	ND	ND	-
CBN	<LOQ (0.0048)	<LOQ (0.00048)	0.0052	-
Total THC	0.201	0.0201	0.2164	-
Total CBD	4.4918	0.44918	4.8358	-
Total Cannabinoids	5.029	0.5029	5.4142	-
Total Active Cannabinoids	5.029	0.5029	5.4142	-
<b>g/ml Conversion Factor</b>	1.07658			

Reported by  
**Anresco, Inc.**



Derek Moy  
Analyst

July 20, 2020

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



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

## PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

Document #	FP.076	Rev. 3	Effective Date 04/29/2020
Product Code#	QSCBSSP01		
<b>CBD SYNERGIES – SP (SLEEP FORMULA)</b>			

Lot Number:	CBSSP2002/1
Manufacturing Date:	07/2020
Bottle Size:	50 mL
Storage Recommendation:	Room Temperature
Shelf Life / EXP Date:	Freshness is commonly maintained two 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	$\leq 100$ 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	USP2021	$\leq 1000$ 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	$\leq 2$ ppm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cadmium	ICPMS	$\leq 2$ ppm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Lead	ICPMS	$\leq 1$ ppm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Mercury	ICPMS	$\leq 1$ ppm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Liposome size	DLS	10nm – 70nm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
5-HTP	HPLC	$\geq 16$ mg/2mL	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Melatonin	HPLC	$\geq 0.25$ mg/2mL	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cannabidiol	LC/MS/MS or HPLC	$\geq 8$ mg/2mL	10.06mg/2ml	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
THC	LC/MS/MS or HPLC	$\leq 0.3\%$	0.02%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail



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### PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

Document #	FP.076	Rev. 3	Effective Date 04/29/2020
Product Code#	QSCBSSP01		
<b>CBD SYNERGIES – SP (SLEEP FORMULA)</b>			

Test Performed	Method	Specification	Result	Pass/Fail
CBDA	LC/MS/MS or HPLC	For Information Only	Not Detected	N/A
CBG	LC/MS/MS or HPLC	For Information Only	0.004%	N/A
CBN	LC/MS/MS or HPLC	For Information Only	<LOQ	N/A
CBC	LC/MS/MS or HPLC	For Information Only	.45%	N/A
CBDA	LC/MS/MS or HPLC	For Information Only	Not Detected	N/A

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

**NOTES:**

Total Batch Size: 187 L

Bottles Produced: 2831

Product Description: Liposomal hemp tincture. 8mg cannabinoids per serving.

Ingredient	Manufacturer	Lot Number
Full Spectrum Hemp Extract	CBD Universe	200671
Full Spectrum Hemp Extract		
Full Spectrum Hemp Extract		

Released:

Quality Assurance:

*Janet Badteng*

Date:

7/28/2020

## Test Certificate

Description: CBD Synergies SP  
Sample ID:  
Lot No: CBSSP2002/1  
Location:  
Received: 7/28/2020  
Completed: 8/4/2020

Client: Quicksilver Scientific  
1376 Miners Drive  
Suite 103  
Lafayette, CO 80026

Lab No: 200513-05

<u>Analysis</u>	<u>Result</u>	<u>Per Unit</u>	<u>Specifications</u>	<u>Method</u>
Total Aerobic Microbial Count	<10	CFU/g	Report	USP <2021>
Coliform	<10	CFU/g	Report	AOAC 991.14
E Coli	Absent	per 10 grams	Report	USP <2022>
Salmonella	Absent	per 10 grams	Report	USP <2022>
Staphylococcus aureus	Absent	per 10 grams	Report	USP <2022>
Pseudomonas	Absent	per 10 grams	Report	USP <62>
Total Yeast & Mold	<10	CFU/g	Report	AOAC 2014.05
*Yeast	<10	CFU/g	Report	AOAC 2014.05
*Mold	<10	CFU/g	Report	AOAC 2014.05

\*For informational purposes only.

**THESE RESULTS APPLY ONLY TO THE SAMPLE SUBMITTED AND NOT TO THE PRODUCT FROM WHICH IT WAS TAKEN. THESE RESULTS ARE PROVIDED ONLY FOR THE BENEFIT OF CLIENT, WITHOUT REPRESENTATION OR WARRANTY OF ANY KIND, EXCEPT FOR THE EXPRESS LIMITED WARRANTY PROVIDED SOLELY TO CLIENT IN ADVANCED LABORATORIES' TERMS OF SERVICE.**

**THIS CERTIFICATE SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL FROM ADVANCED LABORATORIES.**

Results Approved By:



Kristina Noll - Quality Technician

Dated:

8/4/2020

Printed: 8/4/2020 11:46:53 AM



## Test Certificate

Description: CBD Synergies SP  
Sample ID:  
Lot No: CBSSP2002/1  
Location:  
Received: 7/16/2020  
Completed: 7/21/2020

Client: Quicksilver Scientific  
1376 Miners Drive  
Suite 103  
Lafayette, CO 80026

Lab No: 199943-01


<u>Analysis</u>	<u>Result</u>	<u>Per Unit</u>	<u>Specifications</u>	<u>Method</u>
Mercury	<0.001	ppm	Report	ICP-MS USP <730>
Lead	0.004	ppm	Report	ICP-MS USP <730>
Arsenic	<0.001	ppm	Report	ICP-MS USP <730>
Cadmium	<0.001	ppm	Report	ICP-MS USP <730>
Total Yeast & Mold	<10	CFU/g	Report	AOAC 2014.05
*Yeast	<10	CFU/g	Report	AOAC 2014.05
*Mold	<10	CFU/g	Report	AOAC 2014.05

\*For informational purposes only.

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Results Approved By: \_\_\_\_\_

  
Kristina Noll - Quality Technician

Dated: \_\_\_\_\_

7/21/2020

Printed: 7/21/2020 4:58:46 PM

