



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 22-011782/D002.R001
Report Date: 10/07/2022
ORELAP#: OR100028
Purchase Order:
Received: 09/30/22 10:39

This is an amended version of report# 22-011782/D002.R000.
Reason: Combine results with report 22-011232/D004.R000.

Customer: Brothers Apothecary
Product identity: Brother's Hemp Base (Tea, Capsules, Protein)
Client/Metric ID: .
Laboratory ID: 22-011782-0001

Summary

Potency:

Analyte	Result (%)		
CBD	2.01		
CBD-A	0.301		
Δ9-THC	0.0822		
CBG	0.0656		
			CBD-Total 2.27% THC-Total 0.0822% (Reported in percent of total sample)

Pesticides:

All analytes passing and less than LOQ.

Metals:

Analyte	Result	Units	Limit	Status	Analyte	Result	Units	Limit	Status
Lead	0.0895	mg/kg	0.50	pass	Arsenic	0.0521	mg/kg	1.50	pass
Cadmium	0.0372	mg/kg	0.50	pass					

Microbiology:

Analyte	Result	Units	Limit	Status
Aerobic Plate Count	4,900	cfu/g	10,000	pass
Mold (RAPID Petrifilm)	90	cfu/g	1,000	pass
Total Coliforms	90	cfu/g	100	pass



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Customer: Brothers Apothecary
3423 SE18th Ave
Portland OR, 97202
United States of America (USA)

Product identity: Brother's Hemp Base (Tea, Capsules, Protein)

Client/Metric ID: .

Sample Date:

Laboratory ID: 22-011782-0001

Evidence of Cooling: No

Temp: 21.4

Relinquished by: client

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^p			Units %	Batch: 2208405	Analyze: 10/4/22 6:11:00 PM
Analyte	As Received	Dry weight	LOQ	Notes		
CBD	2.01		0.0289			
CBD-A	0.301		0.0289			
CBD-Total	2.27		0.0543			
CBG	0.0656		0.0289			
CBG-A	< LOQ		0.0289			
CBG-Total	0.0656		0.0540			
CBN	< LOQ		0.0289			
Δ10-THC	< LOQ		0.0289			
Δ8-THC	< LOQ		0.0289			
Δ9-THC	0.0822		0.0289			
THC-A	< LOQ		0.0289			
THC-Total	0.0822		0.0543			
Total Cannabinoids	2.46					

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	4,900	10,000	cfu/g	100	2207925	09/23/22 AOAC 990.12 (Petrifilm) ^p	pass	
E.coli	< LOQ	100.00	cfu/g	10	2207922	09/23/22 AOAC 991.14 (Petrifilm) ^p	pass	
Total Coliforms	90	100.00	cfu/g	10	2207922	09/23/22 AOAC 991.14 (Petrifilm) ^p	pass	
Mold (RAPID Petrifilm)	90	1,000.	cfu/g	10	2207923	09/24/22 AOAC 2014.05 (RAPID) ^p	pass	
Yeast (RAPID Petrifilm)	< LOQ	1,000.	cfu/g	10	2207923	09/24/22 AOAC 2014.05 (RAPID) ^p	pass	
Salmonella spp. by PCR	Negative		/25g		2207930	09/22/22 AOAC 2020.02 ^b		
EHEC including STEC	Negative		/25g		2207932	09/22/22 AOAC RI 121806 ^b		
A. flavus	Negative		/1g		2207929	09/23/22 Aspergillus in Cannabis ^b		
A. fumigatus	Negative		/1g		2207929	09/23/22 Aspergillus in Cannabis ^b		
A. niger	Negative		/1g		2207929	09/23/22 Aspergillus in Cannabis		
A. terreus	Negative		/1g		2207929	09/23/22 Aspergillus in Cannabis ^b		



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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod)						Units mg/kg		Batch 2208386		Analyze 10/04/22 03:13 PM	
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.10	0.070	pass		Acephate	< LOQ	0.020	0.020	pass	
Acequinocyl	< LOQ	0.030	0.025	pass		Acetamidiprid	< LOQ	0.10	0.050	pass	
Aldicarb	< LOQ	1.0	0.100	pass		Allethrin	< LOQ	0.20	0.100	pass	
Atrazine	< LOQ	0.0250	0.025	pass		Azadirachtin	< LOQ	0.50	0.500	pass	
Azoxystrobin	< LOQ	0.020	0.010	pass		Benzovindiflupyr	< LOQ	0.020	0.010	pass	
Bifenazate	< LOQ	0.020	0.010	pass		Bifenthrin	< LOQ	1.0	0.100	pass	
Boscalid	< LOQ	0.020	0.010	pass		Buprofezin	< LOQ	0.020	0.010	pass	
Captan	< LOQ		0.700			Carbaryl	< LOQ	0.050	0.025	pass	
Carbofuran	< LOQ	0.020	0.010	pass		Chlorantraniliprole	< LOQ	0.020	0.010	pass	
Chlordane (cis+trans)	< LOQ		0.100			Chlorfenapyr	< LOQ	0.050	0.100	pass	
Chlorpyrifos	< LOQ	0.040	0.010	pass		Clofentezine	< LOQ	0.020	0.010	pass	
Clothianidin	< LOQ	0.050	0.025	pass		Coumaphos	< LOQ	0.020	0.010	pass	
Cyantraniliprole	< LOQ	0.020	0.010	pass		Cyfluthrin	< LOQ	0.20	0.400	pass	
Cyhalothrin,lambda	< LOQ	0.0200	0.250	pass		Cypermethrin	< LOQ	0.30	0.300	pass	
Cyprodinil	< LOQ	0.25	0.010	pass		Daminozide	< LOQ	0.10	0.050	pass	
Deltamethrin	< LOQ	0.50	0.500	pass		Diazinon	< LOQ	0.020	0.010	pass	
Dichlorvos	< LOQ	0.10	0.050	pass		Dimethoate	< LOQ	0.020	0.010	pass	
Dimethomorph	< LOQ	0.050	0.050	pass		Dinotefuran	< LOQ	0.10	0.050	pass	
Diuron	< LOQ	0.125	0.125	pass		Dodemorph	< LOQ	0.050	0.050	pass	
Endosulfan I (alpha)	< LOQ	0.20	0.050	pass		Endosulfan II (beta)	< LOQ	0.050	0.050	pass	
Endosulfan sulfate	< LOQ	0.050	0.050	pass		Ethoprophos	< LOQ	0.020	0.010	pass	
Etofenprox	< LOQ	0.050	0.010	pass		Etoxazole	< LOQ	0.020	0.010	pass	
Etridiazole	< LOQ	0.030	0.050	pass		Fenhexamid	< LOQ	0.13	0.100	pass	
Fenoxycarb	< LOQ	0.020	0.010	pass		Fenpyroximate	< LOQ	0.020	0.020	pass	
Fensulfothion	< LOQ	0.020	0.010	pass		Fenthion	< LOQ	0.020	0.010	pass	
Fenvalerate	< LOQ		0.200			Fipronil	< LOQ	0.060	0.010	pass	
Flonicamid	< LOQ	0.050	0.025	pass		Fludioxonil	< LOQ	0.020	0.010	pass	
Fluopyram	< LOQ	0.020	0.010	pass		Hexythiazox	< LOQ	0.010	0.010	pass	
Imazalil	< LOQ	0.050	0.010	pass		Imidacloprid	< LOQ	0.020	0.010	pass	
Iprodione	< LOQ	1.0	0.500	pass		Kinoprene	< LOQ	0.50	0.050	pass	
Kresoxim-methyl	< LOQ	0.020	0.010	pass		Malathion	< LOQ	0.020	0.010	pass	
Metalaxyl	< LOQ	0.020	0.010	pass		Methiocarb	< LOQ	0.020	0.010	pass	
Methomyl	< LOQ	0.050	0.025	pass		Methoprene	< LOQ	2.0	1.00	pass	
Mevinphos	< LOQ	0.050	0.025	pass		MGK-264	< LOQ	0.050	0.050	pass	
Myclobutanil	< LOQ	0.020	0.010	pass		Naled	< LOQ	0.10	0.100	pass	
Novaluron	< LOQ	0.050	0.025	pass		Oxamyl	< LOQ	3.0	0.500	pass	
Paclbutrazole	< LOQ	0.020	0.010	pass		Parathion-Methyl	< LOQ	0.050	0.030	pass	
Permethrin	< LOQ	0.50	0.040	pass		Phenothrin	< LOQ	0.050	0.025	pass	
Phosmet	< LOQ	0.020	0.010	pass		Piperonyl butoxide	< LOQ	0.20	0.200	pass	
Pirimicarb	< LOQ	0.020	0.010	pass		Prallethrin	< LOQ	0.050	0.050	pass	
Propiconazole	< LOQ	0.10	0.010	pass		Propoxur	< LOQ	0.020	0.010	pass	
Pyraclostrobin	< LOQ	0.020	0.010	pass		Pyrethrins (total)	< LOQ	0.050	0.025	pass	
Pyridaben	< LOQ	0.050	0.020	pass		Pyriproxyfen	< LOQ	0.0100	0.010	pass	
Quintozene	< LOQ	0.020	0.020	pass		Resmethrin	< LOQ	0.10	0.020	pass	
Spinetoram	< LOQ	0.020	0.010	pass		Spinosad	< LOQ	0.10	0.010	pass	
Spirodiclofen	< LOQ	0.25	0.250	pass		Spiromesifen	< LOQ	3.0	0.030	pass	



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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod)						Units mg/kg	Batch 2208386	Analyze 10/04/22 03:13 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Spirotetramat	< LOQ	0.020	0.010	pass		Spiroxamine	< LOQ	0.10	0.010	pass	
Tebuconazole	< LOQ	0.050	0.010	pass		Tebufenozide	< LOQ	0.020	0.010	pass	
Teflubenzuron	< LOQ	0.050	0.025	pass		Tetrachlorvinphos	< LOQ	0.020	0.010	pass	
Tetramethrin	< LOQ	0.10	0.050	pass		Thiabendazole	< LOQ	0.0200	0.020	pass	
Thiacloprid	< LOQ	0.020	0.010	pass		Thiamethoxam	< LOQ	0.020	0.010	pass	
Thiophanate-Methyl	< LOQ	0.050	0.030	pass		Trifloxystrobin	< LOQ	0.020	0.010	pass	

Metals											
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes		
Arsenic	0.0521	1.50	mg/kg	0.0183	2208028	09/22/22	AOAC 2013.06 (mod.) ^p	pass			
Cadmium	0.0372	0.50	mg/kg	0.0183	2208028	09/22/22	AOAC 2013.06 (mod.) ^p	pass			
Lead	0.0895	0.50	mg/kg	0.0183	2208028	09/22/22	AOAC 2013.06 (mod.) ^p	pass			
Mercury	< LOQ	1.50	mg/kg	0.00914	2208028	09/22/22	AOAC 2013.06 (mod.) ^p	pass			



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These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Threshold Note: Action levels per 6 CCR 1010-21 CDPHE requirements

Ⓐ = ISO/IEC 17025:2017 accredited method.

Units of Measure

mg/kg = Milligram per kilogram = parts per million (ppm)

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager