Certificate of Analysis

AQUATIC LABORATORIES, LLC

Customer:
MMHC Manufacturing LLC
220 Piney Flats Road
Piney Flats, TN 37686
SUPHDC-SUL-0000070

Received Date 7/9/2026
Collection Date
COA Released 7/16/2026
Comments

Sample ID 260708013
Order Number CB260708002
Sample Name Groovies Sleep

External Sample ID

Batch Number

Product Type Edible
Sample Type Edible

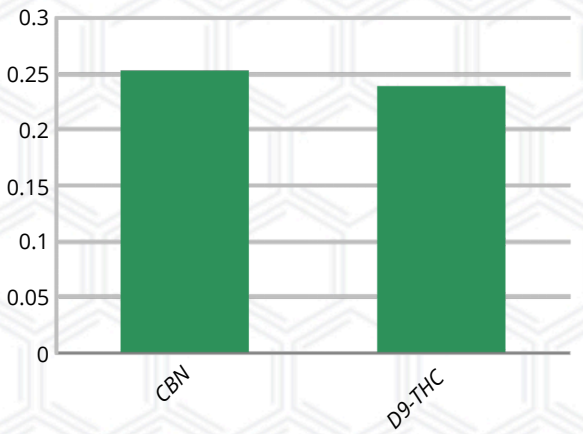
CANNABINOID PROFILE (Product Size = 5.5 g)

Analyte	LOQ (%)	% Weight	mg/g	mg/unit
CBC	0.01	ND	ND	ND
CBD	0.01	ND	ND	ND
CBDa	0.01	ND	ND	ND
CBDV	0.01	ND	ND	ND
CBG	0.01	ND	ND	ND
CBGa	0.01	ND	ND	ND
CBN	0.01	0.253	2.526	13.89
d8-THC	0.01	ND	ND	ND
d9-THC	0.01	0.239	2.385	13.12
THCa	0.01	ND	ND	ND
THCV	0.01	ND	ND	ND
Total Cannabinoids		0.491	4.911	27.01
Total Potential THC		0.239	2.385	13.12
Total Potential CBD		N/A	N/A	ND
Total Potential CBG		N/A	N/A	ND
Ratio of Total Potential CBD to Total Potential THC				N/A
Ratio of Total Potential CBG to Total Potential THC				N/A

SAMPLE IMAGE



CANNABINOIDS % Weight



*Total Cannabinoids refers to the sum of all cannabinoids detected.
*Total Potential CBD = (0.877 x CBDa) + CBD. *Total Potential THC = (0.877 x THCa) + THC. *Total Potential CBG = (0.877 x CBGa) + CBG.
*Total Potential THC/CBD are calculated to take into account the loss of an acid group during decarboxylation.

PJLA Testing
Accreditation #109588

Laboratory Manager

Jamie Hobgood — 07/16/2026 10:26 AM

SIGNATURE — LABORATORY MANAGER — DATE

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SUPHDC-SUL-0000070



Overall Batch Results	
Metals	Microbial + E. coli
Mycotoxins	Pesticides
Potency (mg/g)	Residual Solvent

Sample Name:	Groovies Sleep
Sample ID: Order Number:	260708013 CB260708002
Product Type:	Edible
Sample Type:	Edible
Received Date:	07/09/2026
Batch Number:	
Collection Date:	

COA released: 07/16/2026 10:26 AM

Potency (mg/g)

Date Tested: 07/09/2026 Method: CB-SOP-028 Instrument: HPLC-PDA#1(HempAnalyzer3)

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
CBC (Cannabichromene)	ND	%	0.010			
CBC (Cannabichromene) mg/g	ND	mg/g	0.100			
CBD (Cannabidiol)	ND	%	0.010			
CBD (Cannabidiol) mg/g	ND	mg/g	0.100			
CBDa (Cannabidiolic Acid)	ND	%	0.010			
CBDa (Cannabidiolic Acid) mg/g	ND	mg/g	0.100			
CBDV (Cannabidivarin)	ND	%	0.010			
CBDV (Cannabidivarin) mg/g	ND	mg/g	0.100			
CBG (Cannabigerol)	ND	%	0.010			
CBG (Cannabigerol) mg/g	ND	mg/g	0.100			
CBGa (Cannabigerolic Acid)	ND	%	0.010			
CBGa (Cannabigerolic Acid) mg/g	ND	mg/g	0.100			
CBN (Cannabinol)	0.253	%	0.010			
CBN (Cannabinol) mg/g	2.526	mg/g	0.100			
D8-THC (D8-Tetrahydrocannabinol)	ND	%	0.010			
D8-THC (D8-Tetrahydrocannabinol) mg/g	ND	mg/g	0.100			
D9-THC (D9-Tetrahydrocannabinol)	0.239	%	0.010			
D9-THC (D9-Tetrahydrocannabinol) mg/g	2.385	mg/g	0.100			
THCa (Tetrahydrocannabinolic Acid)	ND	%	0.010			
THCa (Tetrahydrocannabinolic Acid) mg/g	ND	mg/g	0.100			
THCV (Tetrahydrocannabivarin)	ND	%	0.010			
THCV (Tetrahydrocannabivarin) mg/g	ND	mg/g	0.100			

Microbial + E. coli

Date Tested: 07/15/2026 Method: CB-SOP-022-024, 054 Instrument: qPCR

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
E. coli	0	CFUs	0	0		
L. monocytogenes	Negative					
Salmonella	Negative					

M of U = Measurement, NT = Not tested, ND = Not detected; LOQ = Limit of Quantitation; <LOQ = Detected; >ULOL = Above upper limit of linearity; CFU/g = Colony forming units per 1 gram; TNTC = Too numerous to count

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Microbial + E. coli

Date Tested: 07/15/2026 | Method: CB-SOP-022-024, 054 | Instrument: qPCR

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
STEC (E. coli)	Negative					
Yeast/Mold (qPCR)	Absence					

Mycotoxins

Date Tested: 07/15/2026 | Method: CB-SOP-025 | Instrument: LC-MS 8050 (#1)

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
Aflatoxin B1	ND	ug/kg	1.000	1		
Aflatoxin B2	ND	ug/kg	1.000	1		
Aflatoxin G1	ND	ug/kg	1.000	1		
Aflatoxin G2	ND	ug/kg	1.000	1		
Ochratoxin-M+H	ND	ug/kg	2.000	2		

Metals

Date Tested: 07/14/2026 | Method: CB-SOP-027 | Instrument: iCAP-Qc

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
Arsenic	<LOQ	ppm	0.200	0.125		
Cadmium	<LOQ	ppm	0.200	0.125		
Lead	<LOQ	ppm	0.200	0.125		
Mercury	<LOQ	ppm	0.100	0.1		

Pesticides

Date Tested: 07/15/2026 | Method: CB-SOP-025 | Instrument: LC-MS 8050 (#1)

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
AbamectinB1a	ND	ppm	0.009	0.0094		
Acephate	ND	ppm	0.010	0.01		
Acetamiprid	ND	ppm	0.010	0.01		
Aldicarb	ND	ppm	0.010	0.01		
Atrazine	ND	ppm	0.010	0.01		
Azoxystrobin	ND	ppm	0.010	0.01		
Bifenazate	ND	ppm	0.010	0.01		
Bifenthrin	ND	ppm	0.010	0.01		
Boscalid	ND	ppm	0.010	0.01		
Carbaryl	ND	ppm	0.010	0.01		
Carbofuran	ND	ppm	0.010	0.01		
Buprofezin	ND	ppm	0.010	0.01		
Chlorantraniliprole	ND	ppm	0.010	0.01		
Chlormequat chloride	ND	ppm	0.010	0.01		
Chlorpyrifos	ND	ppm	0.010	0.01		
cis-Permethrin	ND	ppm	0.002	0.0024		
cis-Tetramethrin	ND	ppm	0.003	0.0025		
Clofentezine	ND	ppm	0.010	0.01		
Clothianidin	ND	ppm	0.010	0.01		
Coumaphos	ND	ppm	0.010	0.01		

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Certificate of Analysis

AQUATIC LABORATORIES, LLC

Pesticides

Date Tested: 07/15/2026 Method: CB-SOP-025 Instrument: LC-MS 8050 (#1)

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
Cyfluthrin	ND	ppm	0.550	0.55		
Cypermethrin	ND	ppm	0.110	0.11		
Cyprodinil	ND	ppm	0.010	0.01		
Daminozide	ND	ppm	0.010	0.01		
Diazinon	ND	ppm	0.010	0.01		
Dichlorvos	ND	ppm	0.100	0.1		
Dimethoate	ND	ppm	0.010	0.01		
Dinotefuran	ND	ppm	0.010	0.01		
Dodemorph E-	ND	ppm	0.010	0.01		
Dimethomorph	ND	ppm	0.004	0.0035		
Ethoprophos	ND	ppm	0.010	0.01		
Etofenprox	ND	ppm	0.010	0.01		
Etoxazole	ND	ppm	0.010	0.01		
Fenhexamid	ND	ppm	0.010	0.01		
Fenoxycarb	ND	ppm	0.010	0.01		
Fenpyroximate	ND	ppm	0.010	0.01		
Fipronil	ND	ppm	0.010	0.01		
Flonicamid	ND	ppm	0.010	0.01		
Fludioxonil	ND	ppm	0.010	0.01		
Fluopyram	ND	ppm	0.010	0.01		
Hexythiazox	ND	ppm	0.010	0.01		
Imazalil	ND	ppm	0.010	0.01		
Imidacloprid	ND	ppm	0.010	0.01		
Kresoxym-methyl	ND	ppm	0.010	0.01		
Malathion	ND	ppm	0.010	0.01		
Metalaxyl	ND	ppm	0.010	0.01		
Methiocarb	ND	ppm	0.010	0.01		
Methomyl	ND	ppm	0.010	0.01		
Myclobutanil	ND	ppm	0.020	0.02		
Naled	ND	ppm	0.010	0.01		
Oxamyl	ND	ppm	0.010	0.01		
Paclobutrazol	ND	ppm	0.010	0.01		
Phosmet	ND	ppm	0.010	0.01		
Piperonyl Butoxide	ND	ppm	0.010	0.01		
Pirimicarb	ND	ppm	0.010	0.01		
Prallethrin	ND	ppm	0.010	0.01		
Propiconazole	ND	ppm	0.010	0.01		
Propoxur	ND	ppm	0.010	0.01		
Pyraclostrobin	ND	ppm	0.010	0.01		
Pyrethrin I	ND	ppm	0.003	0.0029		
Pyrethrin II	ND	ppm	0.002	0.002		

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Pesticides

Date Tested: 07/15/2026 Method: CB-SOP-025 Instrument: LC-MS 8050 (#1)

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
Pyridaben	ND	ppm	0.010	0.01		
Pyriproxyfen	ND	ppm	0.010	0.01		
Resmethrin	ND	ppm	0.010	0.01		
Spinetoram	ND	ppm	0.010	0.01		
Spinosyn A	ND	ppm	0.008	0.0078		
Spinosyn D	ND	ppm	0.002	0.0021		
Spirodiclofen	ND	ppm	0.010	0.01		
Spiromesifen	ND	ppm	0.010	0.01		
Spirotetramat	ND	ppm	0.010	0.01		
Spiroxamine-1	ND	ppm	0.010	0.01		
Tebuconazole	ND	ppm	0.010	0.01		
Tebufenozide	ND	ppm	0.010	0.01		
Tetrachlorvinphos	ND	ppm	0.010	0.01		
Thiacloprid	ND	ppm	0.010	0.01		
Thiamethoxam	ND	ppm	0.010	0.01		
Thiophanate-methyl	ND	ppm	0.010	0.01		
trans-Permethrin	ND	ppm	0.007	0.0073		
trans-Tetramethrin	ND	ppm	0.007	0.0074		
Trifloxystrobin	ND	ppm	0.010	0.01		
Z-Dimethomorph	ND	ppm	0.006	0.0064		

Residual Solvent

Date Tested: 07/15/2026 Method: CB-SOP-032 Instrument: GC-MS QP2020

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
1-4 Dioxane 2,2-	<LOQ	ug/g	62.550	62.55		
Dimethylbutane	<LOQ	ug/g	12.510	12.51		
2,3-Dimethylbutane	<LOQ	ug/g	12.510	12.51		
2-Butanol 2-	<LOQ	ug/g	62.540	62.54		
Ethoxyethanol 2-	<LOQ	ug/g	62.550	62.55		
Methylbutane 2-	<LOQ	ug/g	20.850	20.85		
Methylpentane 3-	<LOQ	ug/g	12.510	12.51		
Methylpentane	<LOQ	ug/g	12.510	12.51		
Acetone	<LOQ	ug/g	62.550	62.55		
Acetonitrile	<LOQ	ug/g	62.550	62.55		
Benzene	<LOQ	ug/g	0.630	0.63		
Cyclohexane	<LOQ	ug/g	62.540	62.54		
Dichloromethane	<LOQ	ug/g	62.540	62.54		
Ethanol	<LOQ	ug/g	62.550	62.55		
Ethyl acetate	<LOQ	ug/g	62.550	62.55		
Ethyl ether	<LOQ	ug/g	62.540	62.54		
Ethylbenzene	<LOQ	ug/g	15.640	15.64		
Isobutane	<LOQ	ug/g	31.320	31.32		

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AQUATIC LABORATORIES, LLC

Residual Solvent

Date Tested: 07/15/2026 Method: CB-SOP-032 Instrument: GC-MS QP2020

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
Isopropanol	<LOQ	ug/g	62.550	62.55		
Isopropyl Acetate	<LOQ	ug/g	62.550	62.55		
m+p-Xylene	<LOQ	ug/g	31.280	31.28		
Methanol n-	<LOQ	ug/g	62.550	62.55		
Butane n-	<LOQ	ug/g	31.310	31.31		
Heptane n-	<LOQ	ug/g	62.540	62.54		
Hexane n-	<LOQ	ug/g	12.510	12.51		
Pentane o-	<LOQ	ug/g	20.850	20.85		
Xylene	<LOQ	ug/g	15.640	15.64		
Neopentane	<LOQ	ug/g	20.870	20.87		
Propane	<LOQ	ug/g	126.130	126.13		
Tetrahydrofuran	<LOQ	ug/g	62.550	62.55		
Toluene	<LOQ	ug/g	62.540	62.54		

PJLA Testing Accreditation #109588

Laboratory Manager

Jamie Hobgood — SIGNATURE

07/16/2026 10:26 AM — DATE

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