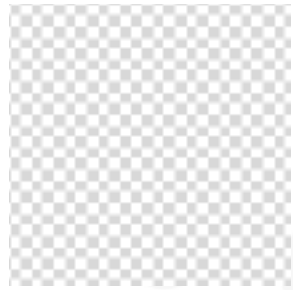


CERTIFICATE OF ANALYSIS

* FOR QUALITY ASSURANCE PURPOSES. NOT A MISSOURI COMPLIANCE CERTIFICATE.

PRODUCED: APR 21, 2022

SAMPLE: CINNAMON ORAL SPARY (EDIBLE LIQUID) // **CLIENT:** MIDAMERICA SUPPLEMENTS // **BATCH:** PASSED AS MISSOURI INDUSTRIAL HEMP



BATCH NO.: 041922 R/D
LOT NO.: 041922 R/D
MATRIX: EDIBLE LIQUID
SAMPLE ID: GPA-220419-001
COLLECTED ON: APR 19, 2022
RECEIVED ON: APR 19, 2022
SAMPLE SIZE: 17 G
RECEIVED BY: DAIN BURRIS
PACKAGE SIZE: 30 G

CANNABINOID OVERVIEW

TOTAL THC:	0 %
TOTAL CBD:	5.208 %
TOTAL CANNABINOIDS:	5.236 %

BATCH RESULT: PASSED AS MISSOURI INDUSTRIAL HEMP

POTENCY	PASS
METALS	TESTED
MICROBIAL	TESTED
MYCOTOXINS	TESTED
PESTICIDES	TESTED

CANNABINOID PROFILE BY UPLC-UV // APR 20, 2022

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC		ND	ND	0.0010/0.0050	N/A	Δ^8 -THC		ND	ND	0.0010/0.0050	N/A
CBCA		ND	ND	0.0010/0.0050	N/A	Δ^9 -THC		ND	ND	0.0010/0.0050	N/A
CBD	5.208 %	52.08 mg/g	52.08 mg/g	0.0010/0.0050	N/A	THCA		ND	ND	0.0010/0.0050	N/A
CBDA		ND	ND	0.0010/0.0050	N/A	THCV		ND	ND	0.0010/0.0050	N/A
CBDV	0.028 %	0.28 mg/g	0.28 mg/g	0.0010/0.0050	N/A	THCVA		ND	ND	0.0010/0.0050	N/A
CBDVA		ND	ND	0.0010/0.0050	N/A	TOTAL THC**		ND	ND		N/A
CBG		ND	ND	0.0010/0.0050	N/A	TOTAL CBD**		5.208 %	52.08 mg/g		N/A
CBGA		ND	ND	0.0010/0.0050	N/A	CBD/PKG		1562.40 mg			N/A
CBN		ND	ND	0.0010/0.0050	N/A	Δ^9-THC/PKG		ND			N/A

** TOTAL CBD = (CBDA X 0.877) + CBD

** TOTAL THC = (THCA X 0.877) + THC

RESULTS CERTIFIED BY: CULLEN MILLER
LABORATORY DIRECTOR, GREEN PRECISION ANALYTICS
APR 21, 2022

RESULTS CERTIFIED BY: SHANE NICKERSON
LABORATORY MANAGER, GREEN PRECISION ANALYTICS
APR 21, 2022



https://lims.tagleaf.com/coa/_UxU2DT9m00

HEAVY METAL TESTING BY ICP-MS // APR 21, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
LEAD	0.5 µg/g	0.006	0.0005/0.0010	N/A
ARSENIC	1.5 µg/g	ND	0.0005/0.0010	N/A
CADMIUM	0.5 µg/g	ND	0.0005/0.0010	N/A

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
MERCURY	3 µg/g	ND	0.0001/0.0002	N/A
CHROMIUM	2 µg/g	0.010	0.0005/0.0010	N/A

MICROBIAL ANALYSIS BY QPCR // APR 21, 2022

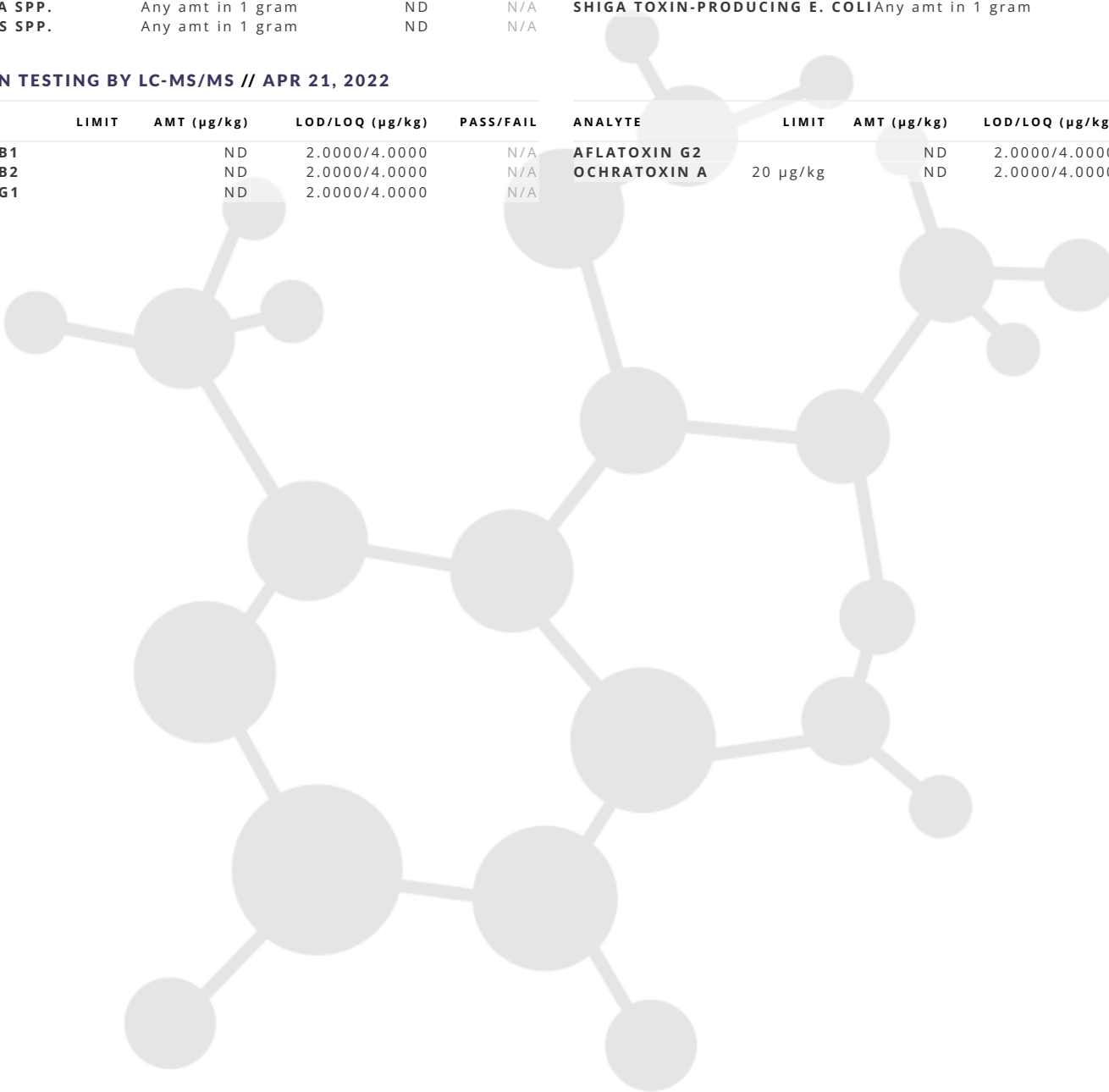
ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
SALMONELLA SPP.	Any amt in 1 gram	ND	N/A
ASPERGILLUS SPP.	Any amt in 1 gram	ND	N/A

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
SHIGA TOXIN-PRODUCING E. COLI	Any amt in 1 gram	ND	N/A

MYCOTOXIN TESTING BY LC-MS/MS // APR 21, 2022

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN B1		ND	2.0000/4.0000	N/A
AFLATOXIN B2		ND	2.0000/4.0000	N/A
AFLATOXIN G1		ND	2.0000/4.0000	N/A

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN G2		ND	2.0000/4.0000	N/A
OCHRATOXIN A	20 µg/kg	ND	2.0000/4.0000	N/A



ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
NALED	0.5 µg/g	ND	0.0200/0.0400	N/A	SPINOSAD D		ND	0.0200/0.0400	N/A
OXAMYL	1 µg/g	ND	0.0200/0.0400	N/A	ACEQUINOCYL	2 µg/g	ND	0.0200/0.0400	N/A
MGK-264	0.2 µg/g	ND	0.0200/0.0400	N/A	ACETAMIPRID	0.2 µg/g	ND	0.0200/0.0400	N/A
PHOSMET	0.2 µg/g	ND	0.0200/0.0400	N/A	ETHOPROPHOS	0.2 µg/g	ND	0.0200/0.0400	N/A
ACEPHATE	0.4 µg/g	ND	0.0200/0.0400	N/A	FLUDIOXONIL	0.4 µg/g	ND	0.0200/0.0400	N/A
ALDICARB	0.4 µg/g	ND	0.0200/0.0400	N/A	HEXYTHIAZOX	1 µg/g	ND	0.0200/0.0400	N/A
BOSCALID	0.4 µg/g	ND	0.0200/0.0400	N/A	PRALLETHRIN	0.2 µg/g	ND	0.0200/0.0400	N/A
CARBARYL	0.2 µg/g	ND	0.0200/0.0400	N/A	SPIROXAMINE	0.4 µg/g	ND	0.0200/0.0400	N/A
DIAZINON	0.2 µg/g	ND	0.0200/0.0400	N/A	THIACLOPRID	0.2 µg/g	ND	0.0200/0.0400	N/A
FIPRONIL	0.4 µg/g	ND	0.0200/0.0400	N/A	AZOXYSTROBIN	0.2 µg/g	ND	0.0200/0.0400	N/A
IMAZALIL	0.2 µg/g	ND	0.0200/0.0400	N/A	CHLORFENAPYR	1 µg/g	ND	0.0200/0.0400	N/A
METHOMYL	0.4 µg/g	ND	0.0200/0.0400	N/A	CHLORPYRIFOS	0.2 µg/g	ND	0.0200/0.0400	N/A
PROPOXUR	0.2 µg/g	ND	0.0200/0.0400	N/A	CLOFENTEZINE	0.2 µg/g	ND	0.0200/0.0400	N/A
ABAMECTIN	0.5 µg/g	ND	0.0200/0.0400	N/A	CYPERMETHRIN	1 µg/g	ND	0.0200/0.0400	N/A
ETOXAZOLE	0.2 µg/g	ND	0.0200/0.0400	N/A	IMIDACLOPRID	0.4 µg/g	ND	0.0200/0.0400	N/A
MALATHION	0.2 µg/g	ND	0.0200/0.0400	N/A	MYCLOBUTANIL	0.2 µg/g	ND	0.0200/0.0400	N/A
METALAXYL	0.2 µg/g	ND	0.0200/0.0400	N/A	SPIROMESIFEN	0.2 µg/g	ND	0.0200/0.0400	N/A
PYRIDABEN	0.2 µg/g	ND	0.0200/0.0400	N/A	TEBUCONAZOLE	0.4 µg/g	ND	0.0200/0.0400	N/A
BIFENAZATE	0.2 µg/g	ND	0.0200/0.0400	N/A	THIAMETHOXAM	0.4 µg/g	ND	0.0200/0.0400	N/A
BIFENTHRIN	0.2 µg/g	ND	0.0200/0.0400	N/A	FENPYROXIMATE	0.4 µg/g	ND	0.0200/0.0400	N/A
CARBOFURAN	0.2 µg/g	ND	0.0200/0.0400	N/A	PACLOBUTRAZOL	0.4 µg/g	ND	0.0200/0.0400	N/A
CYFLUTHRIN	1 µg/g	ND	0.0200/0.0400	N/A	PROPICONAZOLE	0.4 µg/g	ND	0.0200/0.0400	N/A
DAMINOZIDE	1 µg/g	ND	0.0200/0.0400	N/A	SPIROTETRAMAT	0.2 µg/g	ND	0.0200/0.0400	N/A
DICHLORVOS	1 µg/g	ND	0.0200/0.0400	N/A	CHLORMEQUAT CL	0.2 µg/g	ND	0.0200/0.0400	N/A
DIMETHOATE	0.2 µg/g	ND	0.0200/0.0400	N/A	KRESOXIM-METHYL	0.4 µg/g	ND	0.0200/0.0400	N/A
ETOFENPROX	0.4 µg/g	ND	0.0200/0.0400	N/A	TRIFLOXYSTROB-IN	0.2 µg/g	ND	0.0200/0.0400	N/A
FENOXYCARB	0.2 µg/g	ND	0.0200/0.0400	N/A	METHYL PARATHION	0.2 µg/g	ND	0.0200/0.0400	N/A
FLONICAMID	1 µg/g	ND	0.0200/0.0400	N/A	PIPERONYLBUTO-XIDE	2 µg/g	ND	0.0200/0.0400	N/A
METHIOCARB	0.2 µg/g	ND	0.0200/0.0400	N/A	CHLORANTRANIL-IPROLE	0.2 µg/g	ND	0.0200/0.0400	N/A
PERMETHRIN	0.2 µg/g	ND	0.0200/0.0400	N/A	PYRETHRINS PYRETHRIN I		ND	0.0200/0.0400	N/A
SPINOSAD A		ND	0.0200/0.0400	N/A	PYRETHRINS PYRETHRIN II		ND	0.0200/0.0400	N/A

ACCREDITATIONS



CERT # 6318.01

ISO/IEC
17025:2017

A2LA ACCREDITED

PESTICIDE TESTING BY LC-MS/MS

ABAMECTIN, ACEPHATE, ACEQUINOCYL, ACETAMIPRID, ALDICARB, AZOXYSTROBIN, BIFENAZATE, BIFENTHRIN, BOSCALID, CARBARYL, CARBOFURAN, CHLORANTRANILIPROLE, CHLORFENAPYR, CHLORMEQUAT CL, CHLORPYRIFOS, CLOFENTEZINE, CYFLUTHRIN, CYPERMETHRIN, DAMINOZIDE, DICHLORVOS, DIAZINON, DIMETHOATE, ETHOPROPHOS, ETOFENPROX, ETOXAZOLE, FENOXYCARB, FENPYROXIMATE, FIPRONIL, FLONICAMID, FLUDIOXONIL, HEXYTHIAZOX, IMAZALIL, IMIDACLOPRID, KRESOXIM-METHYL, MALATHION, METALAXYL, METHIOCARB, METHOMYL, METHYL PARATHION, MGK-264, MYCLOBUTANIL, NALED, OXAMYL, PACLOBUTRAZOL, PERMETHRIN, PRALLETHRIN, PHOSMET, PIPERONYLBUTOXIDE, PROPICONAZOLE, PROPOXUR, PYRIDABEN, PYRETHRINS, PYRETHRINS PYRETHRIN I, PYRETHRINS PYRETHRIN II, SPINOSAD, SPINOSAD A, SPINOSAD D, SPIROMESIFEN, SPIROTETRAMAT, SPIROXAMINE, TEBUCONAZOLE, THIACLOPRID, THIAMETHOXAM, TRIFLOXYSTROBIN

CANNABINOID PROFILE BY UPLC-UV

THCA, CBD, CBDA, CBG, CBN, CBC, DELTA-9-THC, DELTA-8-THC, CBDV, CBGA, CBCA, CBDVA, THCV, THCVA, TOTAL THC, TOTAL CBD

MICROBIAL ANALYSIS BY QPCR

ASPERGILLUS SPP., ESCHERICHIA COLI, SALMONELLA SPP., SHIGA TOXIN-PRODUCING E. COLI

MYCOTOXIN TESTING BY LC-MS/MS

AFLATOXINS, AFLATOXIN B1, AFLATOXIN B2, AFLATOXIN G1, AFLATOXIN G2, OCHRATOXIN A

HEAVY METAL TESTING BY ICP-MS

ARSENIC, CADMIUM, LEAD, MERCURY, CHROMIUM

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