

Crystal Resistant CBD oil

Sample ID: 2104KCA0587.1407

Cultivar: N/A

Matrix: Ingestible

Type: Liquid Fats (Oils)

Sample Size:

Received: 04/13/2021

Completed: 04/20/2021

Batch#: 10005101

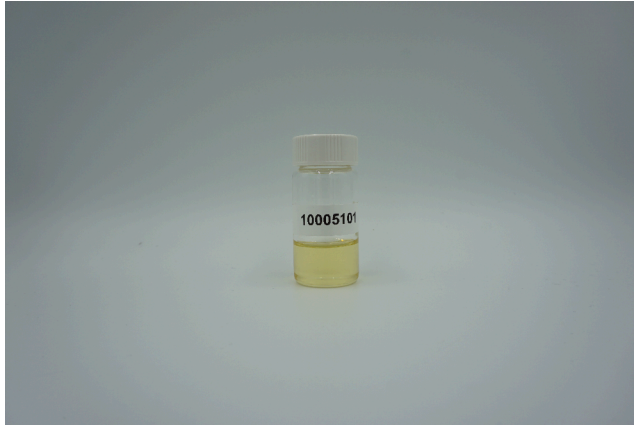
Client

Avient Biosciences

Lic.#

3040 Black Creek Road SE

Wilson, NC 27893



Summary

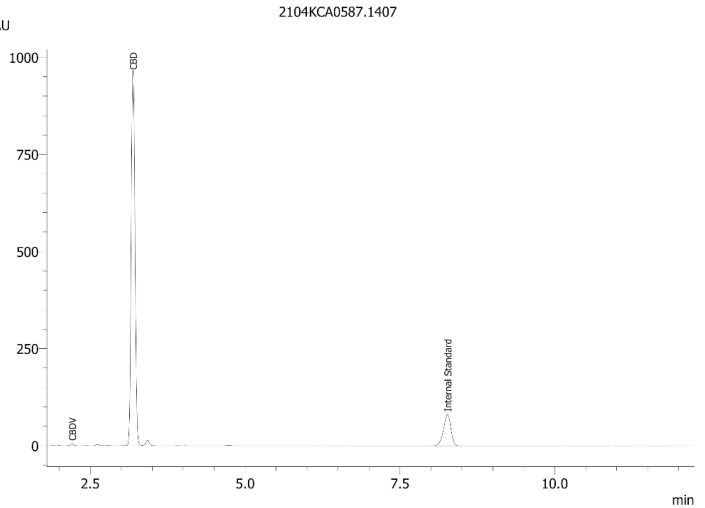
Test	Date Tested	Result
Cannabinoids	04/16/2021	Complete
Residual Solvents	04/15/2021	Complete
Microbials	04/19/2021	Complete
Mycotoxins	04/16/2021	Complete
Pesticides	04/16/2021	Complete
Heavy Metals	04/13/2021	Complete

Cannabinoids by HPLC-PDA

Complete

ND Total THC	57.0812% Total CBD	57.2178% Total Cannabinoids	NT Not Tested Moisture Content	Not Tested Foreign Matter
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Analyte	LOD %	LOQ %	Result %	Result mg/g
CBC	0.0095	0.0284	ND	ND
CBCA	0.0181	0.0543	ND	ND
CBCV	0.0060	0.0180	ND	ND
CBD	0.0081	0.0242	57.0812	570.812
CBDA	0.0043	0.0130	ND	ND
CBDV	0.0061	0.0182	0.1366	1.366
CBDVA	0.0021	0.0063	ND	ND
CBG	0.0057	0.0172	ND	ND
CBGA	0.0049	0.0147	ND	ND
CBL	0.0112	0.0335	ND	ND
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	ND	ND
CBNA	0.0060	0.0181	ND	ND
Δ8-THC	0.0104	0.0312	ND	ND
Δ9-THC	0.0076	0.0227	ND	ND
THCA	0.0084	0.0251	ND	ND
THCV	0.0069	0.0206	ND	ND
THCVA	0.0062	0.0186	ND	ND
Total THC			ND	ND
Total CBD			57.0812	570.8120
Total			57.2178	572.178



Total THC = THCA * 0.877 + Δ9-THC

Total CBD = CBDA * 0.877 + CBD

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LOQ = Limit of Quantitation

ND = None Detected

For plant material, the reported result is based on a sample weight with the applicable moisture content for that sample.



Wes Rogers

Wes Rogers
Principal Scientist
04/20/2021



ISO/IEC 17025:2017 Accredited
Accreditation #108651

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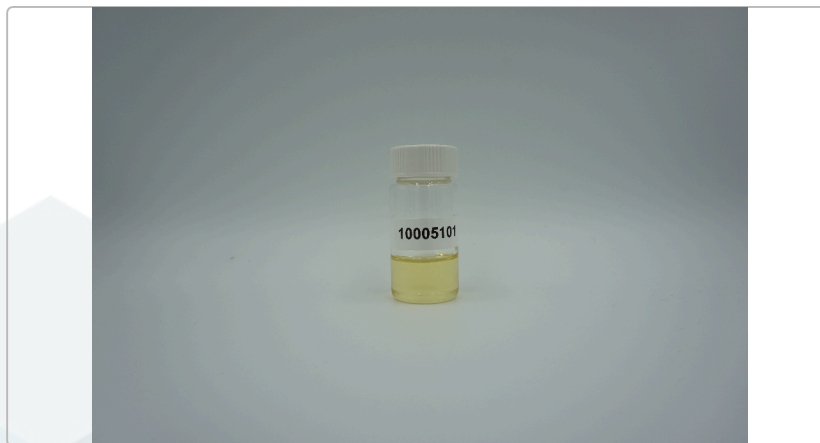
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Heavy Metals by ICP-MS

Complete

Analyte	LOD µg/g	LOQ µg/g	Mass µg/g
Arsenic	0.002	0.02	ND
Cadmium	0.001	0.02	ND
Lead	0.002	0.02	ND
Mercury	0.012	0.05	ND

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Pesticides by LCMS/MS & GCMS/MS

Complete

Analyte	LOD	LOQ	Mass	Analyte	LOD	LOQ	Mass
	PPM	PPM	PPM		PPM	PPM	PPM
Abamectin	0.01	0.05	ND	Hexythiazox	0.01	0.05	ND
Acephate	0.01	0.05	ND	Imazalil	0.01	0.05	ND
Acequinocyl	0.01	0.05	ND	Imidacloprid	0.01	0.05	ND
Acetamiprid	0.01	0.05	ND	Kresoxim Methyl	0.01	0.05	ND
Aldicarb	0.01	0.05	ND	Malathion	0.01	0.05	ND
Azoxystrobin	0.01	0.05	ND	Metalaxyl	0.01	0.05	ND
Bifenazate	0.01	0.05	ND	Methiocarb	0.01	0.05	ND
Bifenthrin	0.01	0.05	ND	Methomyl	0.01	0.05	ND
Boscalid	0.01	0.05	ND	Mevinphos	0.01	0.05	ND
Carbaryl	0.01	0.05	ND	Myclobutanil	0.01	0.05	ND
Carbofuran	0.01	0.05	ND	Naled	0.01	0.05	ND
Chlorantraniliprole	0.01	0.05	ND	Oxamyl	0.01	0.05	ND
Chlorpyrifos	0.01	0.05	ND	Paclbutrazol	0.01	0.05	ND
Clofentezine	0.01	0.05	ND	Permethrin	0.01	0.05	ND
Coumaphos	0.01	0.05	ND	Phosmet	0.01	0.05	ND
Cypermethrin	0.01	0.05	ND	Piperonyl Butoxide	0.01	0.05	ND
Daminozide	0.01	0.05	ND	Prallethrin	0.01	0.05	ND
Diazinon	0.01	0.05	ND	Propiconazole	0.01	0.05	ND
Dichlorvos	0.01	0.05	ND	Propoxur	0.01	0.05	ND
Dimethoate	0.01	0.05	ND	Pyrethrins	0.01	0.05	ND
Dimethomorph	0.01	0.05	ND	Pyridaben	0.01	0.05	ND
Ethoprophos	0.01	0.05	ND	Spinetoram	0.01	0.05	ND
Etofenprox	0.01	0.05	ND	Spinosad	0.01	0.05	ND
Etoxazole	0.01	0.05	ND	Spiromesifen	0.01	0.05	ND
Fenhexamid	0.01	0.05	ND	Spirotetramat	0.01	0.05	ND
Fenoxycarb	0.01	0.05	ND	Spiroxamine	0.01	0.05	ND
Fenpyroximate	0.01	0.05	ND	Tebuconazole	0.01	0.05	ND
Fipronil	0.01	0.05	ND	Thiacloprid	0.01	0.05	ND
Flonicamid	0.01	0.05	ND	Thiamethoxam	0.01	0.05	ND
Fludioxonil	0.01	0.05	ND	Trifloxystrobin	0.01	0.05	ND

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Microbials by qPCR

Complete

Analyte

Result

Aerobic Bacteria

CFU/g

Shiga toxin-producing E. Coli

Not Detected in 1g

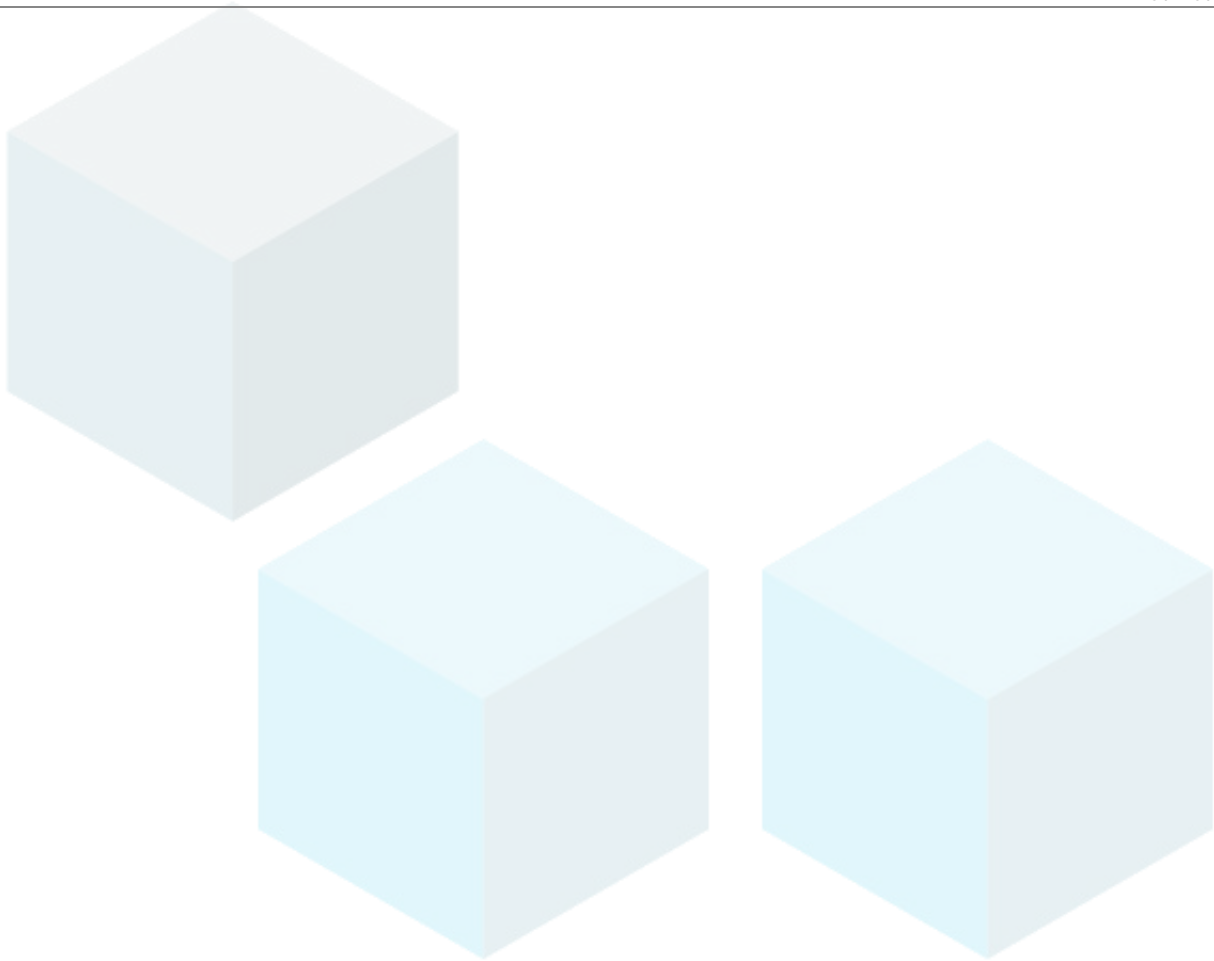
Enterobacteriaceae

Not Detected in 1g

Salmonella

Not Detected in 1g

Not Detected in 1g



Date Tested: 04/19/2021

TNTC = Too Numerous to Count; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.




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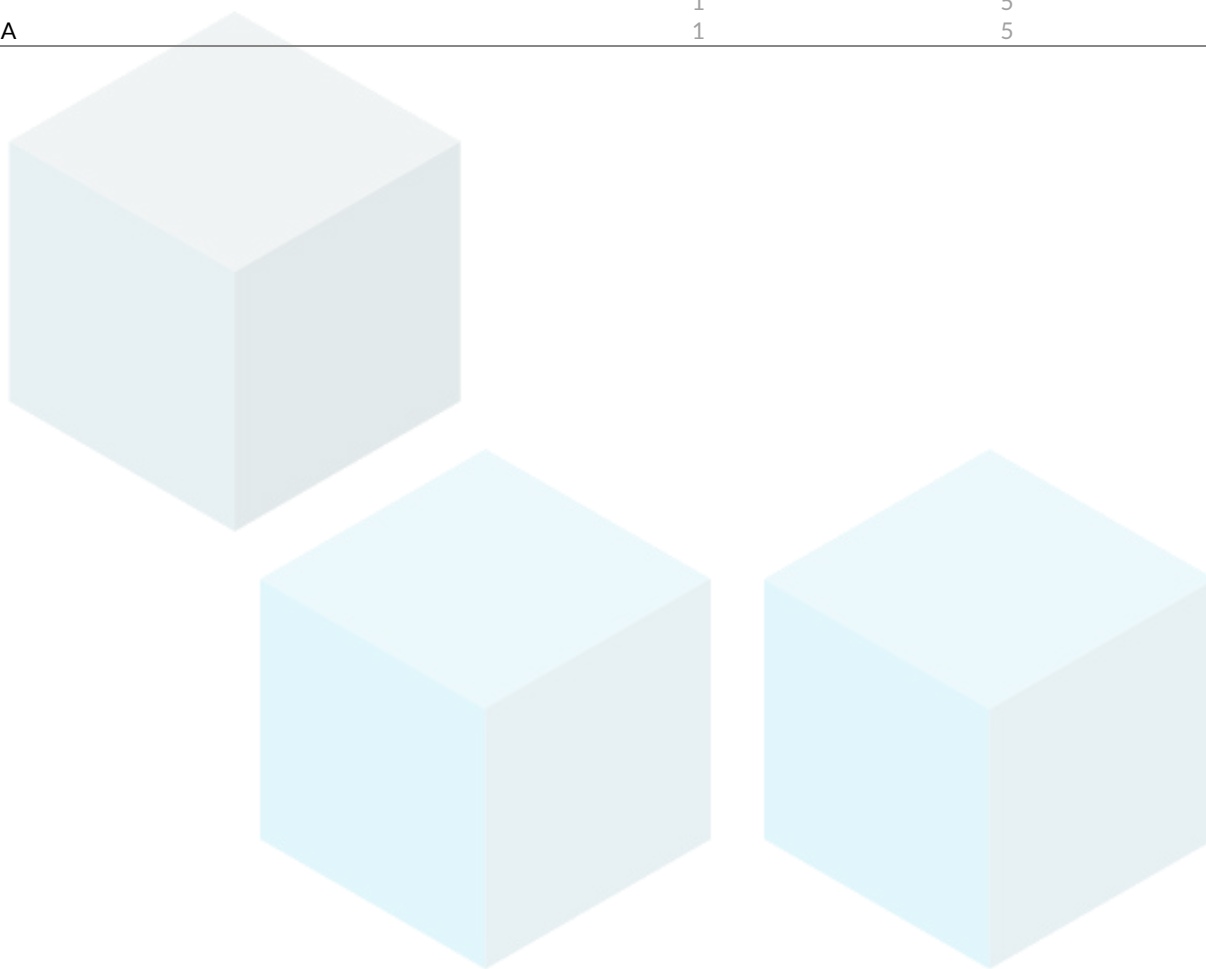
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Mycotoxins by LCMS/MS

Complete

Analyte	LOD PPB	LOQ PPB	Units PPB
B1	1	5	ND
B2	1	5	ND
G1	1	5	ND
G2	1	5	ND
Ochratoxin A	1	5	ND



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Residual Solvents by HS-GC/MS

Complete

Analyte	LOD PPM	LOQ PPM	Mass PPM	Analyte	LOD PPM	LOQ PPM	Mass PPM
Acetone	0.5	1	<LOQ	Heptane	0.5	1	ND
Acetonitrile	0.5	1	ND	Isobutane	0.5	1	ND
Benzene	0.5	1	ND	Isopropanol	0.5	1	8.610
Butane	0.5	1	ND	Isopropyl-Acetate	0.5	1	ND
1-Butanol	0.5	1	ND	Methanol	0.5	1	ND
2-Butanol	0.5	1	ND	2-Methyl-Butane	0.5	1	2.285
2-Butanone	0.5	1	ND	2-Methyl-Pentane	0.5	1	ND
Chloroform	0.5	1	ND	3-Methyl-Pentane	0.5	1	ND
Cumene	0.5	1	ND	Methylene-Chloride	0.5	1	ND
Cyclohexane	0.5	1	ND	N,N-Dimethyl-Acetamide	0.5	1	ND
1,2-Dichloro-Ethane	0.5	1	ND	N,N-Dimethyl-Formamide	0.5	1	ND
1,2-Dimethoxy-Ethane	0.5	1	ND	Neopentane	0.5	1	ND
2,2-Dimethyl-Butane	0.5	1	ND	1-Pentanol	0.5	1	ND
2,3-Dimethyl-Butane	0.5	1	ND	Propane	0.5	1	ND
Dimethyl sulfoxide	0.5	1	ND	1-Propanol	0.5	1	ND
1,4-Dioxane	0.5	1	ND	Pyridine	0.5	1	ND
Ethanol	0.5	1	3.338	Sulfolane	0.5	1	ND
2-Ethoxy-Ethanol	0.5	1	ND	Tetrahydrofuran	0.5	1	ND
Ethyl-Acetate	0.5	1	ND	Toluene	0.5	1	ND
Ethyl-Benzene	0.5	1	ND	Trichloroethene	0.5	1	ND
Ethyl-Ether	0.5	1	ND	Xylenes	0.5	1	ND
Ethylene glycol	0.5	1	ND	n-Hexane	0.5	1	ND
Ethylene oxide	0.5	1	ND	n-Pentane	0.5	1	825.053

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