

Heritage-1-2020

Sample ID: 2011KCA0721.2227
Cultivar: N/A
Matrix: Concentrates & Extracts
Type: Distillate
Sample Size:

Received: 11/24/2020
Completed: 12/03/2020
Batch#: 11-19-20-01

Client
Exceptional Extractions
Lic.#
3838 HWY 18 North
Sparta, NC 28675



Summary

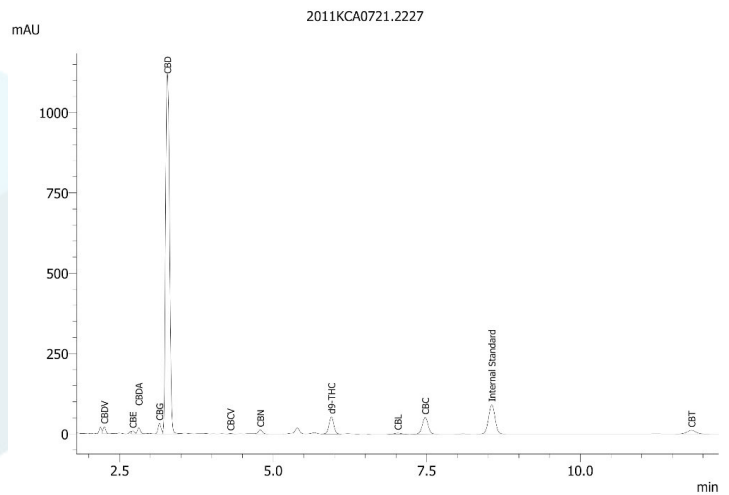
Test	Date Tested	Result
Cannabinoids	12/01/2020	Complete
Terpenes	12/02/2020	Complete
Residual Solvents	12/02/2020	Complete
Microbials	11/29/2020	Complete
Pesticides	12/03/2020	Complete
Heavy Metals	12/01/2020	Complete

Cannabinoids by HPLC-PDA

Complete

2.9873% Total THC	85.4014% Total CBD	93.7455% 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	2.9822	29.822
CBCA	0.0181	0.0543	ND	ND
CBCV	0.0060	0.0180	0.0413	0.413
CBD	0.0081	0.0242	84.8480	848.480
CBDA	0.0043	0.0130	0.6309	6.309
CBDV	0.0061	0.0182	0.6270	6.270
CBDVA	0.0021	0.0063	ND	ND
CBG	0.0057	0.0172	1.1361	11.361
CBGA	0.0049	0.0147	ND	ND
CBL	0.0112	0.0335	0.1521	1.521
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	0.3406	3.406
CBNA	0.0060	0.0181	ND	ND
Δ8-THC	0.0104	0.0312	ND	ND
Δ9-THC	0.0076	0.0227	2.9873	29.873
THCA	0.0084	0.0251	ND	ND
THCV	0.0069	0.0206	ND	ND
THCVA	0.0062	0.0186	ND	ND
Total THC			2.9873	29.873
Total CBD			85.4014	854.014
Total			93.7455	937.455



Total THC = THCA * 0.877 + Δ9-THC
Total CBD = CBDA * 0.877 + CBD
LOD = Limit of Detection
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

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Principal Scientist
12/03/2020



ISO/IEC 17025:2017 Accredited
Accreditation #108651

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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 PPM	LOQ PPM	Mass PPM	Analyte	LOD PPM	LOQ PPM	Mass PPM
Abamectin	0.001	0.005	ND	Flonicamid	0.001	0.005	ND
Acephate	0.001	0.005	ND	Fludioxonil	0.001	0.005	ND
Acetamiprid	0.001	0.005	ND	Hexythiazox	0.001	0.005	ND
Aldicarb	0.001	0.005	ND	Imazalil	0.001	0.005	ND
Azoxystrobin	0.001	0.005	ND	Imidacloprid	0.001	0.005	ND
Bifenazate	0.001	0.005	ND	Methomyl	0.001	0.005	ND
Bifenthrin	0.001	0.005	ND	Mevinphos	0.001	0.005	ND
Boscalid	0.001	0.005	ND	Myclobutanil	0.001	0.005	ND
Carbaryl	0.001	0.005	ND	Naled	0.001	0.005	ND
Carbofuran	0.001	0.005	ND	Oxamyl	0.001	0.005	ND
Chlorantraniliprole	0.001	0.005	ND	Permethrin	0.001	0.005	ND
Chlorfenapyr	0.001	0.005	ND	Phosmet	0.001	0.005	ND
Chlorpyrifos	0.001	0.005	ND	Piperonyl Butoxide	0.001	0.005	ND
Clofentezine	0.001	0.005	ND	Propoxur	0.001	0.005	ND
Daminozide	0.001	0.005	ND	Pyridaben	0.001	0.005	ND
Diazinon	0.001	0.005	ND	Spinetoram	0.001	0.005	ND
Dimethoate	0.001	0.005	ND	Spinosad	0.001	0.005	ND
Dimethomorph	0.001	0.005	ND	Spiromesifen	0.001	0.005	ND
Ethoprophos	0.001	0.005	ND	Spirotetramat	0.001	0.005	ND
Etofenprox	0.001	0.005	ND	Spiroxamine	0.001	0.005	ND
Etoxazole	0.001	0.005	ND	Tebuconazole	0.001	0.005	ND
Fenoxycarb	0.001	0.005	ND	Thiacloprid	0.001	0.005	ND
Fenpyroximate	0.001	0.005	ND	Thiamethoxam	0.001	0.005	ND
Fipronil	0.001	0.005	ND	Trifloxystrobin	0.001	0.005	ND

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Microbials by qPCR

Complete

Analyte

Result

Aerobic Bacteria

CFU/g

Shiga toxin-producing E. Coli

Not Detected in 1g

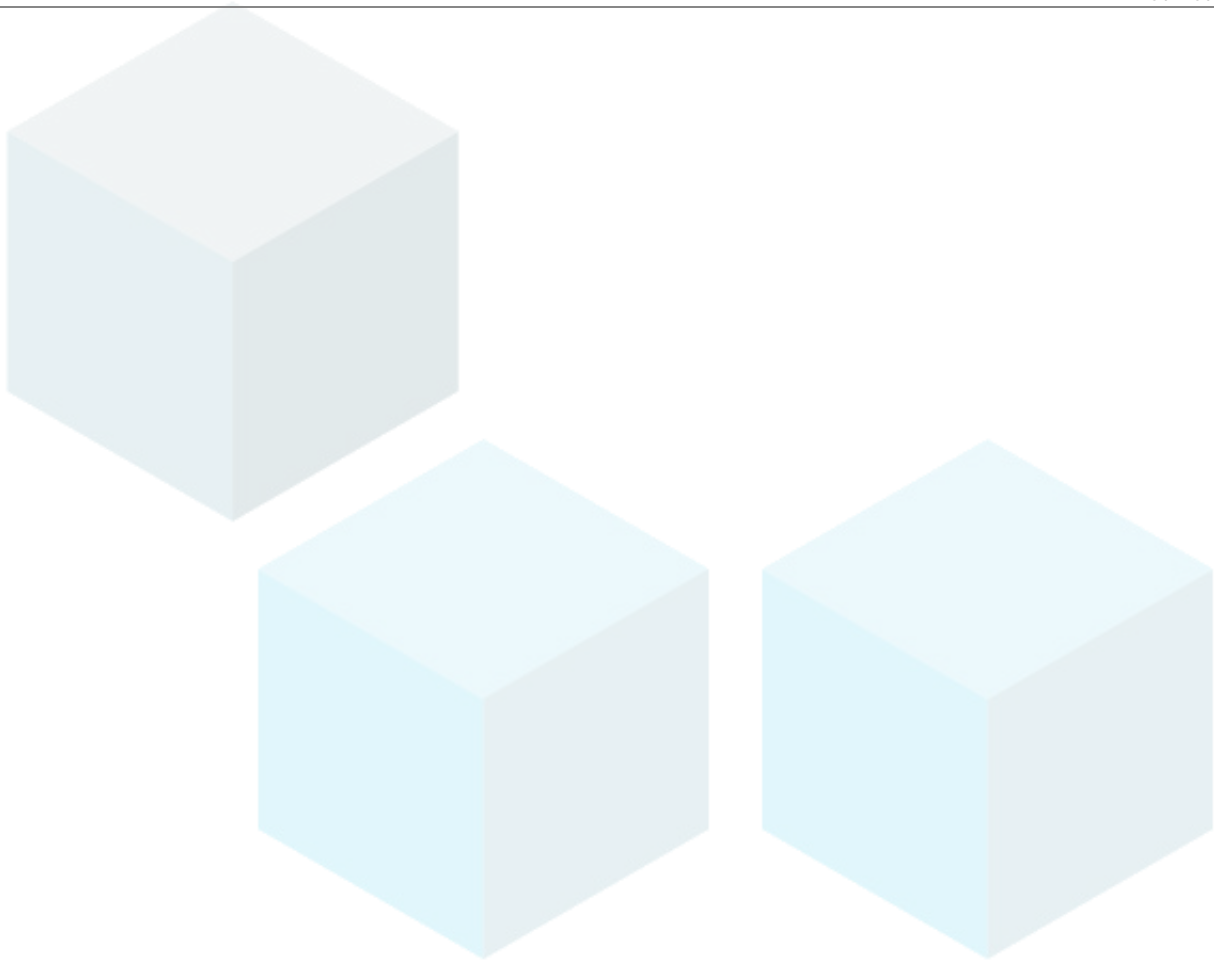
Enterobacteriaceae

Not Detected in 1g

Salmonella

Not Detected in 1g

Not Detected in 1g



Date Tested: 11/29/2020

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




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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	ND	Heptane	0.5	1	ND
Acetonitrile	0.5	1	ND	Isobutane	0.5	1	ND
Benzene	0.5	1	ND	Isopropanol	0.5	1	ND
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	ND
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	3.574	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	ND

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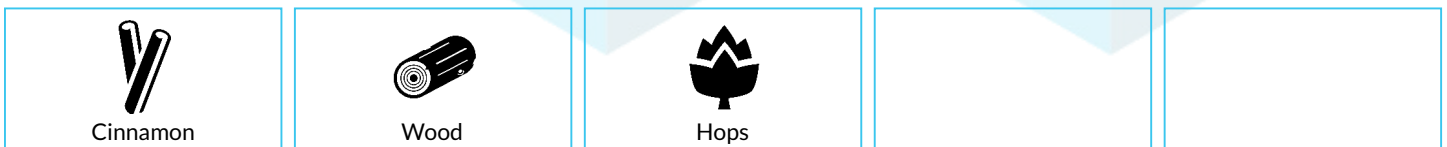
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Terpenes by HS-GC/MS

Analyte	LOD	LOQ	Mass	Mass
	%	%	%	mg/g
α-Bisabolol	0.00001	0.00005	ND	ND
Borneol	0.00001	0.00005	ND	ND
Camphene	0.00001	0.00005	ND	ND
Camphor	0.00001	0.00005	ND	ND
3-Carene	0.00001	0.00005	ND	ND
Caryophyllene oxide	0.00001	0.00005	ND	ND
β-Caryophyllene	0.00001	0.00005	0.000693	0.00693
α-Cedrene	0.00001	0.00005	ND	ND
Cedrol	0.00001	0.00005	ND	ND
Endo-Fenchyl alcohol	0.00001	0.00005	ND	ND
Eucalyptol	0.00001	0.00005	ND	ND
Fenchone	0.00001	0.00005	ND	ND
Geraniol	0.00001	0.00005	ND	ND
Geranyl acetate	0.00001	0.00005	ND	ND
Guaiol	0.00001	0.00005	0.000281	0.00281
Hexahydro thymol	0.00001	0.00005	ND	ND
α-Humulene	0.00001	0.00005	0.000196	0.00196
Isoborneol	0.00001	0.00005	ND	ND
Isopulegol	0.00001	0.00005	ND	ND
Limonene	0.00001	0.00005	ND	ND
Linalool	0.00001	0.00005	ND	ND
β-Myrcene	0.00001	0.00005	ND	ND
Nerol	0.00001	0.00005	ND	ND
Ocimene	0.00001	0.00005	ND	ND
α-Phellandrene	0.00001	0.00005	ND	ND
α-Pinene	0.00001	0.00005	ND	ND
β-Pinene	0.00001	0.00005	ND	ND
Pulegone	0.00001	0.00005	ND	ND
Sabinene	0.00001	0.00005	ND	ND
Sabinene hydrate	0.00001	0.00005	ND	ND
α-Terpinene	0.00001	0.00005	ND	ND
γ-Terpinene	0.00001	0.00005	ND	ND
α-Terpineol	0.00001	0.00005	ND	ND
γ-Terpineol	0.00001	0.00005	ND	ND
Terpinolene	0.00001	0.00005	ND	ND
Valencene	0.00001	0.00005	ND	ND
cis-Nerolidol	0.00001	0.00005	ND	ND
trans-Nerolidol	0.00001	0.00005	ND	ND
Total			0.00000	0.00000

Primary Aromas



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