Euro Hemp





KCA Laboratories

232 North Plaza Drive Nicholasville, KY 40356 +1-833-KCA-LABS https://kcalabs.com KDA Lic.# P_0058 **Certificate of Analysis**

1 of 7

210114CC

Sample ID: SA-08132021-3345

Batch: 210114CC

Type: Finished Materials Matrix: Concentrate - Isolate

EUROHemi

Received: 08/17/2021 Completed: 08/24/2021

Lic. #: P-2270

Summary

Test
Cannabinoids
Heavy Metals
Microbials
Mycotoxins
Pesticides
Residual Solvents

08/19/2021 08/24/2021 08/24/2021 08/24/2021 08/23/2021 08/23/2021 08/24/2021 Status
Tested
Pass
Pass
Pass
Pass
Pass

Cannabinoids by HPLC-PDA

ND	99.5 %	99.8 %	Not Tested	Not Tested	Yes
Total Δ9-THC	CBD	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Marker Recovered

	rev	VIII		111	120	HEM		
Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)				
CBC	0.0095	0.0284	ND	ND	mAU			
CBCA	0.0181	0.0543	ND	ND	1111.00			
CBCV	0.006	0.018	ND	ND	-	8		
CBD	0.0081	0.0242	99.5	995.	-			
CBDA	0.0043	0.013	ND	ND	1000			
CBDV	0.0061	0.0182	0.2599	2.5992				
CBDVA	0.0021	0.0063	ND	ND				
CBG	0.0057	0.0172	ND	ND	750			
CBGA	0.0049	0.0147	ND	ND	Ko I	1000		
CBL	0.0112	0.0335	ND	ND	TO A	CVC		
CBLA	0.0124	0.0371	ND	ND	500			
CBN	0.0056	0.0169	ND	ND				
CBNA	0.006	0.0181	ND	ND				
Δ8-ΤΗС	0.0104	0.0312	ND	ND	250			
Δ9-ΤΗС	0.0076	0.0227	ND	ND				
Δ9-ΤΗСΑ	0.0084	0.0251	ND	ND	-	CBDV		
Δ9-ΤΗCV	0.0069	0.0206	ND	ND	0	8		
Δ9-ΤΗСVΑ	0.0062	0.0186	ND	ND		1 1 1	1 1 1	-
Total Δ9-THC			ND	ND		2.5	5.0	
Total CBD			99.5	995.				
Total			99.7599	997.599				

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA * 0.877 + Δ9-THC; Total CBD = CBDA * 0.877 + CBD;





PJLA Testing

ISO/IEC 17025:2017 Accredited Accreditation #108651

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Lic. #: P-2270

Heavy Metals by ICP-MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Arsenic	2	20	ND
Cadmium	a lab la	4 / 20/10	IND SERVICE SERVICES
Lead	2//2	20	ND ND
Mercury	12/A CRD	50	S COND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit





08/24/2021

Euro Hemp





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Type: Finished Materials Matrix: Concentrate - Isolate Received: 08/17/2021 Completed: 08/24/2021

Lic. #: P-2270

Pesticides by LC-MS/MS and GC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Abamectin	30	100	- ND	Hexythiazox	30	100	ND
Acephate	30	100	ND	Imazalil	30	100	ND
Acequinocyl	30	100	ND	Imidacloprid	30	100	ND
Acetamiprid	30	100	ND	Kresoxim methyl	30	100	ND
Aldicarb	30	100	ND	Malathion	30	100	ND
Azoxystrobin	30	100	ND	Metalaxyl	30	100	ND
Bifenazate	30	100	ND	Methiocarb	30	100	ND
Bifenthrin	30	100	ND	Methomyl	30	100	ND
Boscalid	30	100	ND	Mevinphos	30	100	ND
Carbaryl	30	100	ND	Myclobutanil	30	100	ND
Carbofuran	30	100	ND	Naled	30	100	ND
Chloranthraniliprole	30	100	ND	Oxamyl	30	100	ND
Chlorfenapyr	30	100	ND	Paclobutrazol	30	100	ND
Chlorpyrifos	30	100	ND	Permethrin	30	100	ND
Clofentezine	30	100	ND	Phosmet	30	100	ND
Coumaphos	30	100	ND	Piperonyl Butoxide	30	100	ND
Daminozide	30	100	ND	Prallethrin	30	100	ND
Diazinon	30	100	ND	Propiconazole	30	100	ND
Dichlorvos	30	100	ND	Propoxur	30	100	ND
Dimethoate	30	100	ND	Pyrethrins	30	100	ND
Dimethomorph	30	100	ND	Pyridaben	30	100	ND
Ethoprophos	30	100	ND	Spinetoram	30	100	ND
Etofenprox	30	100	ND	Spinosad	30	100	ND
Etoxazole	30	100	ND	Spiromesifen	30	100	ND
Fenhexamid	30	100	ND	Spirotetramat	30	100	ND
Fenoxycarb	30	100	ND	Spiroxamine	30 30	100	ND
Fenpyroximate	30	100	ND	Tebuconazole	30	100	ND
Fipronil	30	100	ND	Thiacloprid	30	100	ND
Flonicamid	30	100	ND	Thiamethoxam	30	100	ND
Fludioxonil	30	100	ND	Trifloxystrobin	30	100	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit of Quantitation; P = Pass; F = Pass; F = Pass; P = P









08/24/202





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Microbials by qPCR and/or Plating

Analyte	LOD (CFU/g)	Result (CFU/g)
Coliforms	1	ND
Aerobic Bacteria	1 41	ND ND
Salmonella		ND // ND
Total Enterobacteriaceae	5 CRO 1	ND

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210114CC

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Type: Finished Materials Matrix: Concentrate - Isolate Received: 08/17/2021 Completed: 08/24/2021

Lic. #: P-2270

Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	
B1	1	5	ND	
B2	A O Lot to	5////	ND	+ was House
G1 /	(CVVIL)	5/1/	ND	
G2	1 V& CBD	5	ND GBD	
Ochratoxin A	1	5	ND	

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit

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08/24/2021

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Type: Finished Materials Matrix: Concentrate - Isolate Received: 08/17/2021 Completed: 08/24/2021

Lic. #: P-2270

Residual Solvents by HS-GC-MS/MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	0.5	1	ND	Ethylene Oxide	0.5	1	ND
Acetonitrile	0.5	1	ND	Heptane	0.5	alex /	ND
Benzene	0.5	1	ND	n-Hexane	0.5		ND
Butane	0.5	1_	ND	Isobutane	0.5	1	ND
1-Butanol	0.5	1	ND	Isopropyl Acetate	0.5	1	ND
2-Butanol	0.5	1	ND	Isopropyl Alcohol	0.5	1	ND
2-Butanone	0.5	1	ND	Isopropylbenzene	0.5	1	ND
Chloroform	0.5	1	ND	Methanol	0.5	1	ND
Cyclohexane	0.5	1	ND	2-Methylbutane	0.5	1	<rl< td=""></rl<>
1,2-Dichloroethane	0.5	1	ND	Methylene Chloride	0.5	1	ND
1,2-Dimethoxyethane	0.5	1	ND	2-Methylpentane	0.5	1	ND
Dimethyl Sulfoxide	0.5	1	ND	3-Methylpentane	0.5	1	ND
N,N-Dimethylacetamide	0.5	1	ND	n-Pentane	0.5	1	<rl< td=""></rl<>
2,2-Dimethylbutane	0.5	1 🖋	ND	1-Pentanol	0.5	PULL A	ND
N,N-Dimethylformamide	0.5	1	ND	n-Propane	0.5	10	ND
2,2-Dimethylpropane	0.5	1	ND	1-Propanol	0.5	1	ND & C
1,4-Dioxane	0.5	1	ND	Pyridine	0.5	1	ND
Ethanol	0.5	1	ND	Tetrahydrofuran	0.5	1	ND
2-Ethoxyethanol	0.5	1	ND	Toluene	0.5	1	ND
Ethyl Acetate	0.5	1	ND	Trichloroethylene	0.5	1	ND
Ethyl Ether	0.5	1	ND	Tetramethylene Sulfone	0.5		ND
Ethylbenzene	0.5	1	ND	Xylenes (o-, m-, and p-)	0.5	1	ND
Ethylene Glycol	0.5	1	ND				

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Reporting Limit Appendix

Heavy Metals -

Analyte	Limit (ppb) Analyte	Limit (ppb)
Arsenic	200	Lead	500
Cadmium	200	Mercury	100

Microbials -

Analyte	Limit (CFU)	Limit (CFU/g	
Coliforms	1	Aerobic Bacteria	1000
Bile-Tolerant Gram-Negative Bacteria	1000	E.coli/Coliforms	1
Yeast & Mold	1000	Salmonella	1

Residual Solvents -

Analyte	Limit (ppm)	Analyte	Limit (ppm
Acetone	5000	Ethylene Oxide	1
Acetonitrile	410	Heptane	5000
Benzene	2	n-Hexane	290
Butane	5000	Isobutane	5000
1-Butanol	5000	Isopropyl Acetate	5000
2-Butanol	5000	Isopropyl Alcohol	5000
2-Butanone	5000	Isopropylbenzene	5000
Chloroform	60	Methanol	3000
Cyclohexane	3880	2-Methylbutane	5000
1,2-Dichloroethane	5	Methylene Chloride	600
1,2-Dimethoxyethane	100	2-Methylpentane	290
Dimethyl Sulfoxide	5000	3-Methylpentane	290
N,N-Dimethylacetamide	1090	n-Pentane	5000
2,2-Dimethylbutane	290	1-Pentanol	5000
N,N-Dimethylformamide	880	n-Propane	5000
2,2-Dimethylpropane	5000	1-Propanol	5000
1,4-Dioxane	380	Pyridine	200
Ethanol	5000	Tetrahydrofuran	720
2-Ethoxyethanol	160	Toluene	890
Ethyl Acetate	5000	Trichloroethylene	80
Ethyl Ether	5000	Tetramethylene Sulfone	160
Ethylbenzene	70	Xylenes (o-, m-, and p-)	2170
Ethylene Glycol	620		

Pesticides - CA BCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Acequinocyl	4000	Imidacloprid	3000
Acetamiprid	5000	Kresoxim methyl	1000
Aldicarb	30	Malathion	5000
Azoxystrobin	40000	Metalaxyl	15000
Bifenazate	5000	Methiocarb	30
Bifenthrin	500	Methomyl	100
Boscalid	10000	Mevinphos	30
Captan	5000	MGK-264	200
Carbaryl	500	Myclobutanil	9000
Carbofuran	30	Naled	500
Chloranthraniliprole	40000	Oxamyl	200
Chlordane	30	Paclobutrazol	30
Chlorfenapyr	30	Parathion methyl	30
Chlorpyrifos	30	Pentachloronitrobenzene	200
Clofentezine	500	Permethrin	20000
Coumaphos	30	Phosmet	200
Cyfluthrin	1000	Piperonyl Butoxide	8000
Cypermethrin	1000	Prallethrin	400
Daminozide	30	Propiconazole	20000
Diazinon	200	Propoxur	30
Dichlorvos	30	Pyrethrins	1000
Dimethoate	30	Pyridaben	3000
Dimethomorph	20000	Spinetoram	3000
Ethoprophos	30	Spinosad	3000
Etofenprox	30	Spiromesifen	12000
Etoxazole	1500	Spirotetramat	13000
Fenhexamid	10000	Spiroxamine	30
Fenoxycarb	30	Tebuconazole	2000
Fenpyroximate	2000	Thiacloprid	30
Fipronil	30	Thiamethoxam	4500
Flonicamid	2000	Trifloxystrobin	30000
Fludioxonil	30000		

Mycotoxins -

Analyte	Limit (ppm) Analyte	Limit (ppm)
B1	20 B2	20
G1	20 G2	20
Ochratoxin A	20	

Pesticides - CA BCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Abamectin	300	Hexythiazox	2000
Acephate	5000	Imazalil	30

This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 17025:2017 accredited quality system. Values reported relate only to the product or substance tested. The reported result is based on a sample weight. Unless otherwise stated, results of tests performed on all quality control samples met criteria for acceptance established by KCA Laboratories. KCA Laboratories makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. This Certificate of Analysis shall not be reproduced except in full, without the written approval of KCA Laboratories. KCA Laboratories can provide measurement uncertainty upon request.