KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

+1-833-KCA-LABS
https://kcalabs.com
KDA Lic.# P_0058

Certificate of Analysis

Grim Creeper

Sample ID: SA-241101-51285
Batch: 240926
Type: Finished Product - Ingestible
Matrix: Edible - Gummy
Unit Mass (g): 4.79988

Received: 11/01/2024
Completed: 11/13/2024

Client
Recreational, LLC
1111 Enterprise Ct Ste G
Daytona Beach, FL 32117
USA
Lic. #: 2023-R-2011623





Summary

Test	Date Tested	Status
Cannabinoids	11/13/2024	Tested
Heavy Metals	11/06/2024	Tested
Microbials	11/07/2024	Tested
Mycotoxins	11/06/2024	Tested
Pesticides	11/06/2024	Tested
Residual Solvents	11/06/2024	Tested

0.126 %	**2.65 %**	**5.65 %**	**Not Tested**	**Not Tested**	**Yes**
Total Δ9-THC	Δ8-THC	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Standard Normalization

Generated By: Ryan Bellone
CCO
Date: 11/13/2024

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Cannabinoids by HPLC-PDA and GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/unit)
CBC	0.00095	0.00284	ND	ND
CBCA	0.00181	0.00543	ND	ND
CBCV	0.0006	0.0018	ND	ND
CBD	0.00081	0.00242	ND	ND
CBDA	0.00043	0.0013	ND	ND
CBDB	0.00067	0.002	ND	ND
CBD-C8	0.00067	0.002	ND	ND
CBDH	0.00067	0.002	ND	ND
CBDP	0.00067	0.002	ND	ND
CBDV	0.00061	0.00182	ND	ND
CBDVA	0.00021	0.00063	ND	ND
CBG	0.00057	0.00172	0.435	20.9
CBGA	0.00049	0.00147	ND	ND
CBL	0.00112	0.00335	ND	ND
CBLA	0.00124	0.00371	ND	ND
CBN	0.00056	0.00169	0.00310	0.149
CBNA	0.0006	0.00181	ND	ND
CBNP	0.00067	0.002	<LOQ	<LOQ
CBT	0.0018	0.0054	0.00700	0.336
Δ4,8-iso-THC	0.00067	0.002	0.180	8.63
Δ8-iso-THC	0.00067	0.002	0.0127	0.610
Δ8-THC	0.00104	0.00312	2.65	127
Δ8-THCB	0.00067	0.002	0.00650	0.312
Δ8-THC-C8	0.00067	0.002	ND	ND
Δ8-THCH	0.00067	0.002	ND	ND
Δ8-THCP	0.00067	0.002	0.00340	0.163
Δ8-THCV	0.00067	0.002	0.00790	0.379
Δ9-THC	0.00076	0.00227	0.126	6.07
Δ9-THCA	0.00084	0.00251	ND	ND
Δ9-THCB	0.00067	0.002	ND	ND
Δ9-THC-C8	0.00067	0.002	ND	ND
Δ9-THCH	0.00067	0.002	ND	ND
Δ9-THCP	0.00067	0.002	0.0822	3.95
Δ9-THCV	0.00069	0.00206	ND	ND
Δ9-THCVA	0.00062	0.00186	ND	ND
exo-THC	0.00067	0.002	ND	ND
(6aR,9R,10aR)-HHC	0.00067	0.002	1.69	81.1
(6aR,9S,10aR)-HHC	0.00067	0.002	0.443	21.3
Total Δ9-THC			**0.126**	**6.07**
Total			**5.65**	**271**

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;

Generated By: Ryan Bellone
CCO
Date: 11/13/2024

Tested By: Scott Caudill
Laboratory Manager
Date: 11/13/2024

ISO/IEC 17025:2017 Accredited
Accreditation #108651

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Heavy Metals by ICP-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Arsenic	0.002	0.02	ND
Cadmium	0.001	0.02	ND
Lead	0.002	0.02	<LOQ
Mercury	0.012	0.05	ND

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Generated By: Ryan Bellone
CCO
Date: 11/13/2024

Tested By: Chris Farman
Scientist
Date: 11/06/2024

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Pesticides by LC-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
Acetamiprid	30	100	ND	Imidacloprid	30	100	ND
Aldicarb	30	100	ND	Kresoxim methyl	30	100	ND
Azoxystrobin	30	100	ND	Malathion	30	100	ND
Bifenazate	30	100	ND	Metalaxyl	30	100	ND
Bifenthrin	30	100	ND	Methiocarb	30	100	ND
Boscalid	30	100	ND	Methomyl	30	100	ND
Carbaryl	30	100	ND	Mevinphos	30	100	ND
Carbofuran	30	100	ND	Myclobutanil	30	100	ND
Chloranthraniliprole	30	100	ND	Naled	30	100	ND
Chlorfenapyr	30	100	ND	Oxamyl	30	100	ND
Chlorpyrifos	30	100	ND	Paclobutrazol	30	100	ND
Clofentezine	30	100	ND	Permethrin	30	100	ND
Coumaphos	30	100	ND	Phosmet	30	100	ND
Cypermethrin	30	100	ND	Piperonyl Butoxide	30	100	ND
Diazinon	30	100	ND	Prallethrin	30	100	ND
Dichlorvos	30	100	ND	Propiconazole	30	100	ND
Dimethoate	30	100	ND	Propoxur	30	100	ND
Dimethomorph	30	100	ND	Pyrethrins	30	100	ND
Ethoprophos	30	100	ND	Pyridaben	30	100	ND
Etofenprox	30	100	ND	Spinetoram	30	100	ND
Etoxazole	30	100	ND	Spinosad	30	100	ND
Fenhexamid	30	100	ND	Spiromesifen	30	100	ND
Fenoxycarb	30	100	ND	Spirotetramat	30	100	ND
Fenpyroximate	30	100	ND	Spiroxamine	30	100	ND
Fipronil	30	100	ND	Tebuconazole	30	100	ND
Flonicamid	30	100	ND	Thiacloprid	30	100	ND
Fludioxonil	30	100	ND	Thiamethoxam	30	100	ND
				Trifloxystrobin	30	100	ND

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recreational

Generated By: Ryan Bellone
CCO
Date: 11/13/2024

Tested By: Anthony Mattingly
Scientist
Date: 11/06/2024

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Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (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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recreational

Generated By: Ryan Bellone
CCO
Date: 11/13/2024

Tested By: Anthony Mattingly
Scientist
Date: 11/06/2024

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Microbials by PCR and Plating

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)
Total aerobic count	10	ND	
Total coliforms	10	ND	
Generic E. coli	10	ND	
Salmonella spp.	1		Not Detected per 1 gram
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram
Total yeast and mold count (TYMC)	10	ND	

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Generated By: Ryan Bellone
CCO
Date: 11/13/2024

Tested By: Natalia Wright
Laboratory Technician
Date: 11/07/2024

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Residual Solvents by HS-GC-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	167	500	ND	Ethylene Oxide	0.5	1	ND
Acetonitrile	14	41	ND	Heptane	167	500	ND
Benzene	0.5	1	ND	n-Hexane	10	29	ND
Butane	167	500	ND	Isobutane	167	500	ND
1-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanol	167	500	ND	Isopropyl Alcohol	167	500	ND
2-Butanone	167	500	ND	Isopropylbenzene	167	500	ND
Chloroform	2	6	ND	Methanol	100	300	ND
Cyclohexane	129	388	ND	2-Methylbutane	10	29	ND
1,2-Dichloroethane	0.5	1	ND	Methylene Chloride	20	60	ND
1,2-Dimethoxyethane	4	10	ND	2-Methylpentane	10	29	ND
Dimethyl Sulfoxide	167	500	ND	3-Methylpentane	10	29	ND
N,N-Dimethylacetamide	37	109	ND	n-Pentane	167	500	ND
2,2-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
2,3-Dimethylbutane	10	29	ND	n-Propane	167	500	ND
N,N-Dimethylformamide	30	88	ND	1-Propanol	167	500	ND
2,2-Dimethylpropane	167	500	ND	Pyridine	7	20	ND
1,4-Dioxane	13	38	ND	Tetrahydrofuran	24	72	ND
Ethanol	167	500	<LOQ	Toluene	30	89	ND
2-Ethoxyethanol	6	16	ND	Trichloroethylene	3	8	ND
Ethyl Acetate	167	500	ND	Xylenes (o-, m-, and p-)	73	217	ND
Ethyl Ether	167	500	ND				
Ethylbenzene	3	7	ND				

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Tested By: Kelsey Rogers
Scientist
Date: 11/06/2024

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