KCA Laboratories 232 North Plaza Drive Nicholasville, KY 40356

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

1 of 1

CBD Large Pet Oil 900mg / 30ml

kca

Sample ID: SA-230509-21455 Batch: April 2023 Type: Finished Product - Ingestible Matrix: Oil / Liquid - MCT Oil Jnit Mass (g):		Collected: 05/09/2023 Received: 05/12/2023 Completed: 05/19/2023		Client GrassRoots Harvest 321 W. Ben White Blvd Austin, TX 78704 USA Lic. #: 2202-1417	
			Summary Test	Date Tested	Status
	grh 2		Cannabinoids	05/19/2023	Tested
	BLARGE PETOL				
1.31 mg/mL	35.4 mg/mL	40.1 mg/mL	Not Tested	Not Tested	Yes
Total ∆9-THC	CBD	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Standard Normalization
				Foreign Matter	
annabinoids	CBD s by HPLC-PDA, I LOD (mg/mL)			Foreign Matter Result (%)	
annabinoids nalyte	s by HPLC-PDA, I	LC-MS/MS, and	or GC-MS/MS Result	Result	Normalization
annabinoids nalyte 3C	s by HPLC-PDA, I LOD (mg/mL)	LC-MS/MS, and LOQ (mg/mL)	or GC-MS/MS Result (mg/mL)	Result (%)	Normalization Result (mg/unit)
annabinoids nalyte BC BCA	s by HPLC-PDA, I LOD (mg/mL) 0.00095	LC-MS/MS, and LOQ (mg/mL) 0.00284	or GC-MS/MS Result (mg/mL) 0.291	Result (%) 0.0319 ND ND ND	Normalization Result (mg/unit) 8.72
annabinoids nalyte sc sca scv	s by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181	LC-MS/MS, and LOQ (mg/mL) 0.00284 0.00543	Vor GC-MS/MS Result (mg/mL) 0.291 ND	Result (%) 0.0319 ND ND 3.88	Result (mg/unit) 8.72 ND
annabinoids nalyte sc sca scv sd	s by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006	LC-MS/MS, and LOQ (mg/mL) 0.00284 0.00543 0.0018	Vor GC-MS/MS Result (mg/mL) 0.291 ND ND ND	Result (%) 0.0319 ND ND ND	Normalization Result (mg/unit) 8.72 ND ND
annabinoids nalyte BC BCA BCV BD BDA	s by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081	LC-MS/MS, and LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.0013 0.00182	Vor GC-MS/MS Result (mg/mL) 0.291 ND ND 35.4	Result (%) 0.0319 ND ND 3.88 ND 0.0780	Normalization Result (mg/unit) 8.72 ND ND 1060
annabinoids nalyte BC BCA BC BD BDA BDV BDV BDVA	s by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00061 0.00021	LC-MS/MS, and LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063	Vor GC-MS/MS Result (mg/mL) 0.291 ND ND 35.4 ND	Result (%) 0.0319 ND ND 3.88 ND 0.0780 ND	Normalization Result (mg/unit) 8.72 ND ND 1060 ND 21.3 ND
annabinoids nalyte BC BCA BCA BCA BDA BDA BDA BDV BDVA BG	s by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00061 0.00021 0.00057	LC-MS/MS, and LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.0013 0.00182 0.00063 0.00172	Vor GC-MS/MS Result (mg/mL) 0.291 ND ND 35.4 ND 0.710 ND 0.710 ND 1.24	Result (%) 0.0319 ND ND 3.88 ND 0.0780 ND 0.0780 ND 0.136	Normalization Result (mg/unit) 8.72 ND ND 1060 ND 21.3 ND 21.3 ND 37.2
annabinoids nalyte BC BCA BCA BCA BDA BDA BDA BDA BDA BDA BDA BDA BDA BD	s by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00061 0.00021 0.00057 0.00049	LC-MS/MS, and LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147	Vor GC-MS/MS Result (mg/mL) 0.291 ND ND 35.4 ND 0.710 ND 0.710 ND 1.24 ND	Result (%) 0.0319 ND ND 3.88 ND 0.0780 ND 0.136 ND	Normalization Result (mg/unit) 8.72 ND ND 1060 ND 21.3 ND 37.2 ND
annabinoids nalyte BC BCA BCA BCA BCA BDA BDA BDA BDA BDA BDA BDA BCA BCA BCA BCA BCA BCA BCA BCA BCA BC	s by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00061 0.00021 0.00057 0.00049 0.00112	LC-MS/MS, and LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00172 0.00147 0.00335	Yor GC-MS/MS Result (mg/mL) 0.291 ND ND 35.4 ND 0.710 ND 1.24 ND 0.0933	Result (%) 0.0319 ND ND 3.88 ND 0.0780 ND 0.0780 ND 0.136 ND 0.136 ND 0.0102	Normalization Result (mg/unit) 8.72 ND ND 1060 ND 21.3 ND 37.2 ND 37.2 ND 2.80
annabinoids nalyte BC BCA BCA BCA BCA BDA BDA BDA BDA BDA BDA BCA BL BLA	s by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00061 0.00021 0.00057 0.00049 0.00112 0.00124	LC-MS/MS, and LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00335 0.00371	Vor GC-MS/MS Result (mg/mL) 0.291 ND ND 35.4 ND 0.710 ND 1.24 ND 1.24 ND 0.0933 ND	Result (%) 0.0319 ND ND 3.88 ND 0.0780 ND 0.0780 ND 0.136 ND 0.136 ND 0.0102 ND	Normalization Result (mg/unit) 8.72 ND ND 1060 ND 21.3 ND 21.3 ND 37.2 ND 2.80 ND
annabinoids nalyte BC BCA BCA BCA BCA BDA BDA BDA BDA BDA BCA BCA BL BLA BN	s by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00061 0.00021 0.00057 0.00049 0.00112 0.00124 0.00056	LC-MS/MS, and LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00335 0.00371 0.00169	Yor GC-MS/MS Result (mg/mL) 0.291 ND ND 35.4 ND 0.710 ND 1.24 ND 0.0933 ND 0.0280	Result (%) 0.0319 ND ND 3.88 ND 0.0780 ND 0.0780 ND 0.136 ND 0.136 ND 0.0102 ND 0.0102 ND 0.00307	Normalization Result (mg/unit) 8.72 ND ND 1060 ND 21.3 ND 21.3 ND 37.2 ND 2.80 ND 2.80 ND 0.840
annabinoids nalyte BC BCA BCA BCA BCA BDA BDA BDA BDA BDA BCA BCA BCA BCA BCA BCA BCA BCA BCA BC	s by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00043 0.00061 0.00021 0.00057 0.00049 0.00112 0.00124 0.00056 0.0006	LC-MS/MS, and LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00335 0.00371 0.00169 0.00181	Vor GC-MS/MS Result (mg/mL) 0.291 ND ND 35.4 ND 0.710 ND 1.24 ND 0.0933 ND 0.0280 ND	Result (%) 0.0319 ND ND 3.88 ND 0.0780 ND 0.0780 ND 0.136 ND 0.0102 ND 0.0102 ND 0.00307 ND	Normalization Result (mg/unit) 8.72 ND ND 1060 ND 21.3 ND 21.3 ND 37.2 ND 2.80 ND 2.80 ND 0.840 ND
annabinoids nalyte BC BCA BCA BCA BCA BCA BDA BDA BDA BDA BCA BCA BLA BLA BLA BLA BLA BLA BLA BLA BLA BL	s by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00043 0.00061 0.00021 0.00057 0.00049 0.00112 0.00124 0.00056 0.0006 0.0006 0.0006 0.0008	LC-MS/MS, and LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00335 0.00371 0.00147 0.00335 0.00371 0.00169 0.00181 0.0054	Vor GC-MS/MS Result (mg/mL) 0.291 ND ND 35.4 ND 0.710 ND 1.24 ND 0.0933 ND 0.0280 ND 1.09	Result (%) 0.0319 ND ND 3.88 ND 0.0780 ND 0.0780 ND 0.136 ND 0.0102 ND 0.0102 ND 0.00307 ND 0.00307 ND 0.120	Normalization Result (mg/unit) 8.72 ND ND 1060 ND 21.3 ND 21.3 ND 37.2 ND 2.80 ND 2.80 ND 0.840 ND 32.8
annabinoids nalyte BC BCA BCV BD BDA BDA BDV BDVA BGA BGA BLA BLA BLA BN BNA BT 3-THC	s by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00043 0.00057 0.00057 0.00049 0.00112 0.00124 0.00056 0.0006 0.0006 0.0018 0.00164	LC-MS/MS, and LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00335 0.00371 0.00169 0.00181 0.0054 0.0054 0.00312	Vor GC-MS/MS Result (mg/mL) 0.291 ND ND 35.4 ND 0.710 ND 1.24 ND 0.0933 ND 0.0280 ND 1.09 ND	Result (%) 0.0319 ND ND 3.88 ND 0.0780 ND 0.0780 ND 0.136 ND 0.0102 ND 0.000307 ND 0.00307 ND 0.120 ND	Normalization Result (mg/unit) 8.72 ND ND 1060 ND 21.3 ND 21.3 ND 37.2 ND 2.80 ND 2.80 ND 0.840 ND 32.8 ND
Cannabinoids nalyte BC BCA BCV BD BDA BDA BDA BDA BDA BDA BDA BCA BCA BLA BLA BLA BLA BLA BLA BLA BLA BLA BL	s by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00043 0.00057 0.00057 0.00049 0.00112 0.00124 0.00056 0.0006 0.0018 0.0006 0.0018 0.00104 0.00104 0.00076	LC-MS/MS, and LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00335 0.00371 0.00169 0.00181 0.0054 0.00312 0.00027	Vor GC-MS/MS Result (mg/mL) 0.291 ND ND 35.4 ND 0.710 ND 1.24 ND 0.0933 ND 0.0280 ND 1.09 ND 1.31	Result (%) 0.0319 ND ND 3.88 ND 0.0780 ND 0.0780 ND 0.136 ND 0.0102 ND 0.000307 ND 0.00307 ND 0.120 ND 0.120 ND 0.143	Normalization Result (mg/unit) 8.72 ND ND 1060 ND 21.3 ND 21.3 ND 37.2 ND 2.80 ND 2.80 ND 0.840 ND 32.8 ND 32.8 ND 39.2
Cannabinoids nalyte BC BCA BCV BD BDA BDV BDVA BG BGA BL BLA BN BNA BT 8-THC 9-THC 9-THCA	s by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00061 0.00021 0.00057 0.00049 0.00112 0.00124 0.00056 0.0006 0.0018 0.00164 0.00164 0.00076 0.00084	LC-MS/MS, and LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00335 0.00371 0.00169 0.00181 0.0054 0.00312 0.0054 0.00312 0.00227 0.00251	Vor GC-MS/MS Result (mg/mL) 0.291 ND ND 35.4 ND 0.710 ND 1.24 ND 0.0933 ND 0.0280 ND 1.09 ND 1.31 ND	Result (%) 0.0319 ND ND 3.88 ND 0.0780 ND 0.0780 ND 0.136 ND 0.0102 ND 0.0002 ND 0.000307 ND 0.120 ND 0.143 ND	Normalization Result (mg/unit) 8.72 ND ND 1060 ND 21.3 ND 21.3 ND 37.2 ND 2.80 ND 2.80 ND 0.840 ND 32.8 ND 32.8 ND 32.8 ND 39.2 ND
Cannabinoids nalyte BC BCA BCV BD BDA BDV BDVA BG BGA BL BLA BN BNA BT 8-THC 9-THC 9-THCA 9-THCV	s by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00043 0.00057 0.00057 0.00049 0.00112 0.00124 0.00056 0.0006 0.0018 0.00164 0.00076 0.00084 0.00069	LC-MS/MS, and LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00335 0.00371 0.00169 0.00181 0.0054 0.00312 0.0054 0.00312 0.0027 0.00251 0.00206	Vor GC-MS/MS Result (mg/mL) 0.291 ND ND 35.4 ND 0.710 ND 1.24 ND 0.0933 ND 0.0280 ND 1.09 ND 1.31 ND ND 1.31 ND ND	Result (%) 0.0319 ND ND 3.88 ND 0.0780 ND 0.0780 ND 0.136 ND 0.0102 ND 0.0002 ND 0.000307 ND 0.000307 ND 0.120 ND 0.143 ND 0.143 ND	Normalization Result (mg/unit) 8.72 ND 1060 ND 21.3 ND 32.8 ND 39.2 ND ND ND ND ND ND ND N
Cannabinoids malyte BC BCA BCV BD BDA BDA BDV BDVA BGA BGA BLA BNA BT 8-THC 9-THC 9-THCA 9-THCV 9-THCV 9-THCV	s by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00061 0.00021 0.00057 0.00049 0.00112 0.00124 0.00056 0.0006 0.0018 0.00164 0.00164 0.00076 0.00084	LC-MS/MS, and LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00335 0.00371 0.00169 0.00181 0.0054 0.00312 0.0054 0.00312 0.00227 0.00251	Vor GC-MS/MS Result (mg/mL) 0.291 ND ND 35.4 ND 0.710 ND 1.24 ND 0.0933 ND 0.0280 ND 1.09 ND 1.09 ND 1.31 ND ND 1.31 ND ND ND ND 1.31 ND ND ND ND 1.31 ND ND ND ND ND 1.31 ND ND ND ND 1.31 ND ND ND ND 1.31 ND ND ND 1.31 ND ND ND 1.31 ND ND ND 1.31 ND ND ND ND ND ND ND ND ND ND	Result (%) 0.0319 ND ND 3.88 ND 0.0780 ND 0.0780 ND 0.136 ND 0.0102 ND 0.00307 ND 0.00307 ND 0.120 ND 0.143 ND 0.143 ND ND ND ND	Normalization Result (mg/unit) 8.72 ND ND 1060 ND 21.3 ND 21.3 ND 21.3 ND 37.2 ND 2.80 ND 2.80 ND 0.840 ND 32.8 ND 32.8 ND 39.2 ND ND ND ND 39.2 ND ND ND ND ND ND 39.2 ND ND ND ND ND ND ND ND ND ND
	s by HPLC-PDA, I LOD (mg/mL) 0.00095 0.00181 0.0006 0.00081 0.00043 0.00043 0.00043 0.00057 0.00057 0.00049 0.00112 0.00124 0.00056 0.0006 0.0018 0.00164 0.00076 0.00084 0.00069	LC-MS/MS, and LOQ (mg/mL) 0.00284 0.00543 0.0018 0.00242 0.0013 0.00182 0.00063 0.00172 0.00147 0.00335 0.00371 0.00169 0.00181 0.0054 0.00312 0.0054 0.00312 0.0027 0.00251 0.00206	Vor GC-MS/MS Result (mg/mL) 0.291 ND ND 35.4 ND 0.710 ND 1.24 ND 0.0933 ND 0.0280 ND 1.09 ND 1.31 ND ND 1.31 ND ND	Result (%) 0.0319 ND ND 3.88 ND 0.0780 ND 0.0780 ND 0.136 ND 0.0102 ND 0.0002 ND 0.000307 ND 0.000307 ND 0.120 ND 0.143 ND 0.143 ND	Normalization Result (mg/unit) 8.72 ND ND 1060 ND 21.3 ND 21.3 ND 37.2 ND 2.80 ND 2.80 ND 2.80 ND 37.2 ND 2.80 ND 37.2 ND 2.80 ND 37.2 ND 2.80 ND 37.2 ND 2.80 ND 37.2 ND 2.80 ND 37.2 ND 2.80 ND 37.2 ND ND ND ND ND ND ND N

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ 9-THC = Δ 9-THCA * 0.877 + Δ 9-THC; Total CBD = CBDA * 0.877 + CBD;

Generated By: Scott Caudill Senior Scientist Date: 05/19/2023

Tested By: Nicholas Howard

estéd By: Nicholas Howarc Scientist Date: 05/19/2023



This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 170252017 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.