

CBDA Isolate

Sample ID: SA-10042021-4538
 Batch: CBDA-21-006
 Type: In-Process Materials
 Matrix: Concentrate - Isolate

Received: 10/04/2021
 Completed: 10/12/2021

Client



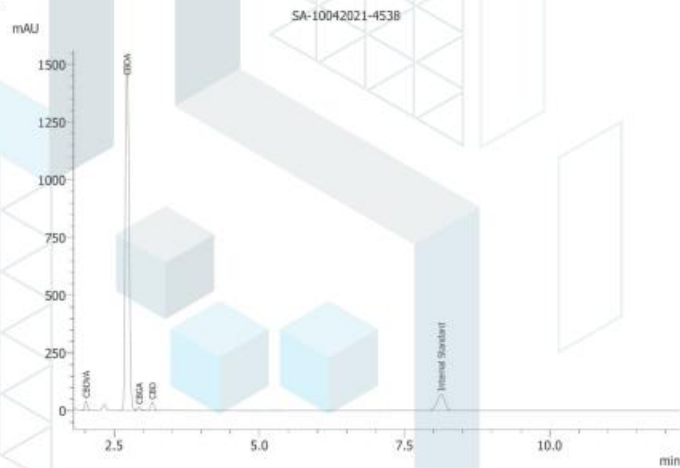
Summary

Test	Date Tested	Status
Cannabinoids	10/12/2021	Tested
Foreign Matter	10/11/2021	Not Detected
Residual Solvents	10/11/2021	Tested
Terpenes	10/11/2021	Tested

Cannabinoids by HPLC-PDA

ND Total Δ9-THC	93.3 % CBDA	96.5 % Total Cannabinoids	Not Tested Moisture Content	Not Detected Foreign Matter	Yes Internal Marker Recovered
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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	0.006	0.018	ND	ND
CBD	0.0081	0.0242	1.53	15.3
CBDA	0.0043	0.013	93.3	933.0
CBDV	0.0061	0.0182	ND	ND
CBDVA	0.0021	0.0063	1.01	10.1
CBG	0.0057	0.0172	ND	ND
CBGA	0.0049	0.0147	0.595	5.95
CBL	0.012	0.0335	ND	ND
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	ND	ND
CBNA	0.006	0.0181	ND	ND
Δ8-THC	0.0104	0.0312	ND	ND
Δ9-THC	0.0076	0.0227	ND	ND
Δ9-THCA	0.0084	0.0251	ND	ND
Δ9-THCV	0.0069	0.0206	ND	ND
Δ9-THCVA	0.0062	0.0186	ND	ND
Total Δ9-THC			ND	ND
Total CBD			83.4	834.0
Total			96.5	965.0



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;

10/12/2021



ISO/IEC 17025:2017 Accredited
 Accreditation #108651



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 meet 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.

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Residual Solvents by HS-GC-MS/MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	167	500	<LOQ	Ethylene Oxide	0.5	1	ND
Acetonitrile	14	41	ND	Heptane	167	500	ND
Benzene	0.5	1	ND	n-Hexane	10	29	<LOQ
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	<LOQ
Cyclohexane	130	388	ND	2-Methylbutane	167	500	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	<LOQ
2,2-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
N,N-Dimethylformamide	30	88	ND	n-Propane	167	500	ND
2,2-Dimethylpropane	167	500	ND	1-Propanol	167	500	ND
1,4-Dioxane	13	38	ND	Pyridine	7	20	ND
Ethanol	167	500	<LOQ	Tetrahydrofuran	24	72	ND
2-Ethoxyethanol	6	16	ND	Toluene	30	89	ND
Ethyl Acetate	167	500	ND	Trichloroethylene	3	8	ND
Ethyl Ether	167	500	ND	Tetramethylene Sulfone	6	16	ND
Ethylbenzene	3	7	ND	Xylenes (o-, m-, and p-)	73	217	ND
Ethylene Glycol	21	62	ND				

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10/12/2021



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Terpenes by HS-GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Analyte	LOD (%)	LOQ (%)	Result (%)
α-Bisabolol	0.00001	0.00005	0.000171	Limonene	0.00001	0.00001	0.001529
(+)-Borneol	0.00001	0.00005	ND	Linalool	0.00001	0.00001	0.015386
Camphene	0.00001	0.00005	0.000313	β-myrcene	0.00001	0.00001	0.000437
Camphor	0.00001	0.00005	ND	Nerol	0.00001	0.00001	ND
3-Carene	0.00001	0.00005	ND	cis-Nerolidol	0.00001	0.00001	ND
β-Caryophyllene	0.00001	0.00005	0.000487	trans-Nerolidol	0.00001	0.00001	ND
Caryophyllene Oxide	0.00001	0.00005	0.000156	Ocimene	0.00001	0.00001	ND
α-Cedrene	0.00001	0.00005	ND	α-Phellandrene	0.00001	0.00001	ND
Cedrol	0.00001	0.00005	ND	α-Pinene	0.00001	0.00001	0.002497
Eucalyptol	0.00001	0.00005	0.000299	β-Pinene	0.00001	0.00001	0.00048
Fenchone	0.00001	0.00005	0.000459	Pulegone	0.00001	0.00001	ND
Fenchyl Alcohol	0.00001	0.00005	0.00624	Sabinene	0.00001	0.00001	<LOQ
Geraniol	0.00001	0.00005	ND	Sabinene Hydrate	0.00001	0.00001	ND
Geranyl Acetate	0.00001	0.00005	ND	α-Terpinene	0.00001	0.00001	0.000113
Guaiol	0.00001	0.00005	8.1e-05	γ-Terpinene	0.00001	0.00001	0.000082
Hexahydrothymol	0.00001	0.00005	ND	α-Terpineol	0.00001	0.00001	0.00225
α-Humulene	0.00001	0.00005	0.00018	γ-Terpineol	0.00001	0.00001	ND
Isoborneol	0.00001	0.00005	ND	Terpinolene	0.00001	0.00001	0.000065
Isopulegol	0.00001	0.00005	ND	Total Terpenes (%)			0.0313

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