

ZPE-CBD Distillate-June 2021

 Sample ID: SA-06102021-2147
 Batch: ZPE-2021-004-D
 Type: In-Process Materials
 Matrix: Concentrate - Distillate

 Received: 06/10/2021
 Completed: 06/16/2021

Client
 ZPE LLC
 2615 SW Cessna Dr. STE 101
 Prineville, OR 97754
 USA

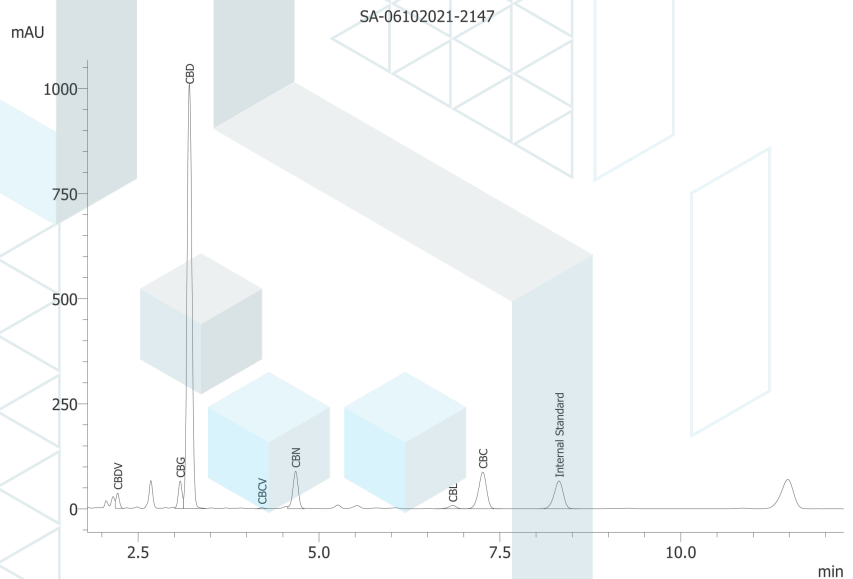
Summary

Test	Date Tested	Status
Cannabinoids	06/16/2021	Tested
Heavy Metals	06/11/2021	Tested
Pesticides	06/14/2021	Tested
Residual Solvents	06/16/2021	Tested

Cannabinoids by HPLC-PDA

ND	67.2 %	79.1 %	Not Tested	Not Tested	Yes
Total Δ9-THC	CBD	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Marker Recovered

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
CBC	0.0095	0.0284	5.6072	56.0725
CBCA	0.0181	0.0543	ND	ND
CBCV	0.006	0.018	0.065	0.6505
CBD	0.0081	0.0242	67.1741	671.741
CBDA	0.0043	0.013	ND	ND
CBDV	0.0061	0.0182	1.0106	10.1059
CBDVA	0.0021	0.0063	ND	ND
CBG	0.0057	0.0172	2.2875	22.8748
CBGA	0.0049	0.0147	ND	ND
CBL	0.0112	0.0335	0.5068	5.0678
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	2.4929	24.929
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			67.1741	671.741
Total			79.1441	791.441



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



06/16/2021

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.


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 Accreditation #108651


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Heavy Metals by ICP-MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Arsenic	2	20	ND
Cadmium	1	20	ND
Lead	2	20	ND
Mercury	12	50	ND

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

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Abamectin	1	5	ND	Imazalil	1	5	ND
Acetamiprid	1	5	ND	Imidacloprid	1	5	ND
Aldicarb	1	5	ND	Malathion	1	5	ND
Azoxystrobin	1	5	ND	Methomyl	1	5	ND
Boscalid	1	5	ND	Mevinphos	1	5	ND
Carbofuran	1	5	ND	Myclobutanil	1	5	ND
Chloranthraniliprole	1	5	ND	Oxamyl	1	5	ND
Dimethoate	1	5	ND	Paclobutrazol	1	5	ND
Etoxazole	1	5	ND	Piperonyl Butoxide	1	5	ND
Fenoxycarb	1	5	ND	Propiconazole	1	5	ND
Fipronil	1	5	ND	Propoxur	1	5	ND
Fludioxonil	1	5	ND	Pyridaben	1	5	ND
				Spinosad	1	5	ND
				Spirotetramat	1	5	ND
				Thiacloprid	1	5	ND
				Thiamethoxam	1	5	ND
				Trifloxystrobin	1	5	ND

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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	0.5	1	ND	Ethylene Oxide	0.5	1	ND
Acetonitrile	0.5	1	ND	Heptane	0.5	1	1.88
Benzene	0.5	1	ND	n-Hexane	0.5	1	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	3.62
Cyclohexane	0.5	1	ND	2-Methylbutane	0.5	1	ND
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	2-Methylpentane	0.5	1	ND
N,N-Dimethylacetamide	0.5	1	ND	n-Pentane	0.5	1	ND
2,2-Dimethylbutane	0.5	1	ND	1-Pentanol	0.5	1	ND
N,N-Dimethylformamide	0.5	1	ND	n-Propane	0.5	1	ND
2,2-Dimethylpropane	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	8.59	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	1	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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