





# Certificate of Analysis

**PASSED**

ZHI Technologies Inc.

 6200 Quailwood Circle  
1200 North Florida, 33453  
Tallahassee, FL 323090209  
Email: info@zhi.com

Sample : DA2600007-001

Harvest/Lot ID :

Batch# :

Sampled : 08/03/22

Ordered : 08/03/22

Sample Size Received : 742 mg

Total Amount : 6.6g

Completed : 01/24/23 Expires: 01/24/24

Sample Method : GC/MS

Page 2 of 6



## Terpenes

**TESTED**

Terpenes	LOD (%)	mg/g	%	Result (%)	Terpenes	LOD (%)	mg/g	%	Result (%)
TOTAL TERPENES	0.007	ND	ND		ALPHA-HUMULENE	0.007	ND	ND	
TOTAL TERPENOID	0.007	ND	ND		VALENCENE	0.007	ND	ND	
ALPHA-PINENE	0.007	ND	ND		CIS-NEROLIDOL	0.007	<0.1	<0.02	
CAMPHERE	0.007	ND	ND		TRANS-NEROLIDOL	0.007	ND	ND	
SABINENE	0.007	ND	ND		CARYOPHYLLENE OXIDE	0.007	ND	ND	
BETA-PINENE	0.007	ND	ND		LINALOL	0.007	ND	ND	
BETA-MYRCENE	0.007	ND	ND		CEDRYL	0.007	<0.1	<0.02	
ALPHA-PHILANDRENENE	0.007	ND	ND		ALPHA-BISABOLOL	0.007	<0.1	<0.02	
B-CARENE	0.007	ND	ND						
ALPHA-TERPINEOL	0.007	ND	ND						
LIMONENE	0.007	ND	ND						
EUCALYPTOL	0.007	ND	ND						
OCYRENE	0.007	ND	ND						
GERANIOL	0.007	ND	ND						
SABINENOL	0.007	ND	ND						
TERPINOLENE	0.007	ND	ND						
TERPENEOL	0.007	ND	ND						
LINALOL	0.007	ND	ND						
TERPENE ALCOHOL	0.007	ND	ND						
ISOPULEGOL	0.007	ND	ND						
CAMPOR	0.007	ND	ND						
ISOGERANIOL	0.007	ND	ND						
BORNEOL	0.007	ND	ND						
HEXAHYDROTHYMOL	0.007	ND	ND						
NEROL	0.007	ND	ND						
PHENOL	0.007	ND	ND						
GERANIOL	0.007	ND	ND						
GERANYL ACETATE	0.007	ND	ND						
ALPHA-CARENE	0.007	ND	ND						
BETA-CARYOPHYLLENE	0.007	ND	ND						
PARACETAMOL	0	ND	ND						
Total (%)			ND						

Analyzed by: **SA, 2022** Weight: **0.4538g** Extraction date: **08/03/22 18:11:26** Retrieved by: **3421**  
 Analytical Method: **ISO 11200:2011, GC/MS**  
 Analytical Batch: **12100000000000000000**  
 Instrument Model: **GC-1200**  
 Running on: **2022/02/27 09:41**  
 Revision: **1.0**  
 Consumables: **21200000000000000000**  
 Pipette: **100**

Turned off testing is performed using the Chromatography flow from Germany.

This Kaycha Labs Certificate shall not be reproduced, copied or otherwise used without written approval from Kaycha Labs. The results herein only apply to the specific product analyzed. ND=Not Detected, ppm=Parts Per Million, mg/g=mg per 100mg, mg/kg=mg per 1000mg Standard Deviation: Level of Detection (LOD) and Level of Quantitation (LOQ) are terms used to describe the smallest concentrations that can be detected and reliably measured by an analytical procedure, respectively. Kaycha Labs and ZHI determined thresholds based on ICH Q301:2016 Q301.4. Rule #1.4. The measurement of this analyte (mg/g) is not comparable with the label claim because the "analyte" may be present in the product in a form that is not comparable with the label claim.

**Jorge Segredo**  
Lab Director

 1818 Florida  
 1818 Florida # 1000-0003  
 1818 Florida # 1000-0003  
 1818 Florida # 1000-0003  
 1818 Florida # 1000-0003

01/24/23

Signed On





# Certificate of Analysis

**PASSED**

ZUI Technologies Inc.

 1706 Brookhollow Circle  
Lake Worth, Florida, 33461  
Tel: 561-966-3622  
Email: info@zui.com

Sample ID: DA20603007-001

Harvest/Lot ID: 3

Matrix: 1

Sampled: 09/01/21

Ordered: 10/18/21

Sample Size Received: 2.0219g

Total Amount: 1.00g

Completed: 09/14/21 Expires: 02/24/22

Sample Method: SOP-001-Method

Page 3 of 6



## Pesticides

**PASSED**

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
TOTAL CONTAMINANT LOAD (PESTICIDES)	0.01	ppm	30	PASS	ND	OTAMIN	0.01	ppm	0.1	PASS	ND
TOTAL DIMETHOMORPH	0.01	ppm	2	PASS	ND	FLACLOBUTHAZOL	0.01	ppm	0.1	PASS	ND
TOTAL PHOSPHIDE	0.01	ppm	2	PASS	ND	THIOFENET	0.01	ppm	0.1	PASS	ND
TOTAL PYRETHROIDS	0.01	ppm	1	PASS	ND	SPEROMYL METOXIDE	0.01	ppm	1	PASS	ND
TOTAL SPINETORAM	0.01	ppm	3	PASS	ND	AKALATHION	0.01	ppm	0.4	PASS	ND
TOTAL SPINOSAD	0.01	ppm	3	PASS	ND	PROPICONAZOLE	0.01	ppm	1	PASS	ND
ABAMECTIN HCL	0.01	ppm	0.2	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ACAPHATE	0.01	ppm	3	PASS	ND	PYRIDAZOL	0.01	ppm	2	PASS	ND
ACRQUINOXYL	0.01	ppm	7	PASS	ND	SPINOSADIN	0.01	ppm	2	PASS	ND
ACETAMIPRID	0.01	ppm	1	PASS	ND	SPINOTECOMAT	0.01	ppm	3	PASS	ND
ALDOXIDE	0.01	ppm	0.1	PASS	ND	SPINOSARIN	0.01	ppm	0.1	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	ND	THIAMETHOXAM	0.01	ppm	1	PASS	ND
DIFLUMETAT	0.01	ppm	3	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	1	PASS	ND
IFENTHIN	0.01	ppm	0.8	PASS	ND	PENTACALONDIKARAZENE (PCND) *	0.01	ppm	0.2	PASS	ND
DOSCALIN	0.01	ppm	3	PASS	ND	HEXATHION METHYL *	0.01	ppm	0.1	PASS	ND
CARBARYL	0.01	ppm	0.7	PASS	ND	CAPTAN *	0.01	ppm	3	PASS	ND
CARBOFUTHAN	0.01	ppm	0.1	PASS	ND	CHLORFANE *	0.01	ppm	0.1	PASS	ND
CHLORANTHILIPROLE	0.01	ppm	3	PASS	ND	CHLORFLUPYRIF * *	0.01	ppm	0.1	PASS	ND
CHLOROMQUAT CATIONIC	0.01	ppm	2	PASS	ND	CYFLUTHIN *	0.01	ppm	1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	CYPERMETHRIN *	0.01	ppm	1	PASS	ND
CLOMETHIDNE	0.01	ppm	0.5	PASS	ND						
CYROMIPHOS	0.01	ppm	0.1	PASS	ND	Analyzed by: <b>MS, MS</b> Weight: <b>0.225g</b> Extraction date: <b>09/01/21 12:17:34</b> Extracted by: <b>MS</b>					
DAMINOZIDE	0.01	ppm	0.1	PASS	ND	Analytic Method: <b>SOP T-20-101-F1 (Superior)</b> , <b>SOP T-20-101-F1 (Superior)</b> , <b>SOP T-20-101-F1 (Superior)</b> , <b>SOP T-20-101-F1 (Superior)</b> , <b>SOP T-20-101-F1 (Superior)</b> Analytical batch: <b>01044874933</b> Instrument used: <b>114-GC/MS-002 (P2)</b> Running on: <b>09/01/21 12:17:34</b>					
DIAZINON	0.01	ppm	1	PASS	ND	Revision: <b>01</b> Reagent: <b>02022-RT1, 04020-RT1, 05022-RT1, 06022-RT1, 08020-RT1</b> Consumables: <b>0640567, 0640740, 1503401</b> Rigets: <b>N/A</b>					
DICHLORVOS	0.01	ppm	0.1	PASS	ND	Testing for agricultural agents is performed utilizing Gas Chromatography Triple Quadrupole Mass Spectrometry in accordance with EPA 8210-GC/MS.					
DIMETHOATE	0.01	ppm	0.1	PASS	ND	Analyzed by: <b>MS, MS</b> Weight: <b>0.279g</b> Extraction date: <b>09/01/21 11:17:34</b> Extracted by: <b>MS</b>					
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	Analytic Method: <b>SOP T-20-101-F1 (Superior)</b> , <b>SOP T-20-101-F1 (Superior)</b> , <b>SOP T-20-101-F1 (Superior)</b> , <b>SOP T-20-101-F1 (Superior)</b> Analytical batch: <b>01044874933</b> Instrument used: <b>114-GC/MS-002</b> Running on: <b>09/01/21 11:17:34</b>					
ETOFENPROX	0.01	ppm	0.2	PASS	ND	Revision: <b>25</b> Reagent: <b>02022-RT1, 04020-RT1, 05022-RT1, 06022-RT1</b> Consumables: <b>0640567, 0640740, 1503401</b> Rigets: <b>N/A</b>					
ETOXACIN	0.01	ppm	1.5	PASS	ND	Testing for agricultural agents is performed utilizing Gas Chromatography Triple Quadrupole Mass Spectrometry in accordance with EPA 8210-GC/MS.					
FENPROXIPROX	0.01	ppm	1	PASS	ND						
FENOXICARB	0.01	ppm	0.1	PASS	ND						
FENPYRIFOSMETH	0.01	ppm	2	PASS	ND						
FIPROVIL	0.01	ppm	0.1	PASS	ND						
FLONICAMID	0.01	ppm	0.1	PASS	ND						
FLUTHIOMIL	0.01	ppm	7	PASS	ND						
HEXATHAZOX	0.01	ppm	2	PASS	ND						
IMAZALIL	0.01	ppm	0.1	PASS	ND						
IMIDACLOPRID	0.01	ppm	1	PASS	ND						
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND						
MALATHION	0.01	ppm	2	PASS	ND						
METALAXYL	0.01	ppm	3	PASS	ND						
METHIDATHION	0.01	ppm	0.1	PASS	ND						
METHOMYL	0.01	ppm	0.1	PASS	ND						
MEVIPHOS	0.01	ppm	0.1	PASS	ND						
MYCLOPHTHAL	0.01	ppm	1	PASS	ND						
NALED	0.01	ppm	0.8	PASS	ND						

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Revision: 43 This version supersedes any and all previous versions of this document.

**Jorge Segredo**  
Lab Director

 State License # 11717-0002  
ISO 17025 Accreditation # 1501-18  
17025:2017 Accreditation P.L.A.  
Issued 07/2024

01/24/23

Signed On



# Certificate of Analysis

**PASSED**

CHI Technologies Inc.

4998 Brookhurst Circle  
Lake Worth, Florida, 33467  
Telephone: 561-966-8888  
Email: info@kaychalabs.com

Sample ID: DA20000007-001

Harvest/lot ID: 1

Batch#: 1

Sampled: 06/01/22

Ordered: 05/09/22

Sample Size Received: 1.0421g

Total Amount: 0.01

Completed: 05/24/22 Expires: 01/11/23

Sample Method: SOP Client Manual

Page 4 of 6



## Residual Solvents

**PASSED**

Solvents	LOD	Units	Action Level	Pass/Fail	Result
1,1-DICHLOROETHYLENE	0.8	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
ACETONITRILE	5	ppm	50	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
BUTANE (N-BUTANE)	300	ppm	3000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ETHYLENE GLYCOL	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANE	25	ppm	250	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
PENTANE (N-PENTANE)	75	ppm	750	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

Analyzed by:  
SG, SSO, SA, 1

Weight:  
0.0236g

Extraction Date:  
06/01/22 15:31:54

Extracted by:  
SGO

Analysis Method: SOP T.40.04.1 PL  
Analytical Batch: 02004980901  
Instrument Used: FID-G7MS-002  
Revision: 06/01/22 15:31:54

Reviewed On: 06/22/22 15:31:57  
Sign Date: 06/05/22 15:17:33

Duration: 1

Reagent: 030470-00

Consumables: 77290-KF140

Preble: N/A

Residual Solvents analysis is performed using Gas Chromatography-Mass Spectrometry in accordance with USP <467> and USP <468>

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Revision: #3 This revision superseded the use of previous versions of this document.

**Jorge Segredo**

Lab Director

State License # CMTS-0001  
563 12575 Accreditation # 000001  
17077 7517 Accreditation RIA  
Testing of food



Signature

01/24/23

Signed On





# Certificate of Analysis

**PASSED**

DH1 Technologies Inc.

Sample: DA20003007-001

Harvest/Lot ID: 1

Batch: 1

Sampled: 08/09/23

Ordered: 08/09/23

Sample Size Received: 1.00 mg

Total Amount: 1.00

Completed: 08/09/23 Superior FL 2408

Sample Method: ISO Clean Mirror

Page 5 of 6



## Microbial

**PASSED**



## Mycotoxins

**PASSED**

Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS		AFATOXIN B2	0.002	ppm	ND	PASS	0.02
SALMONELLA SPECIFIC GENE			Not Present	PASS		AFATOXIN B1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FLAVUS			Not Present	PASS		OCHRATOXIN A	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FUMIGATUS			Not Present	PASS		AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS TERREUS			Not Present	PASS		AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
ASPERGILLUS NIGER			Not Present	PASS							

Analyzed by: SC, 2326      Weight: 9      Extraction date: 08/07/23 10:32:44      Detected by: SBS  
 Analytical Method: SOP T 70 101 FL (Skimmed), SOP T 40 101 FL (Substrate), SOP T 10 101 FL (Dove), SOP T 10 101 FL (Dove)  
 Analytical Batch: DA044677800      Reviewed On: 08/09/23 13:16:50      Batch Code: 08/07/23 19:25:20  
 Instrument Used: DA LEWS-015 (MYC)      Running on: 08/10/23 16:32:47  
 Dilution: 250  
 Reagent: 080077-R13, 052622-R17, 052472-R06, 090122-R11, 090209-R0  
 Consumables: 5645762  
 Media: N/A

Microtox testing using liquid Chromatography with Triple Quadrupole Mass Spectrometry in accordance with F.S. Rule 51873-10



## Heavy Metals

**PASSED**

Metal	LOD	Units	Result	Pass / Fail	Action Level
TOTAL CONTAMINANT LOAD METALS	0.11	ppm	ND	PASS	5
ARSENIC	0.02	ppm	ND	PASS	1.5
CADMIUM	0.02	ppm	ND	PASS	0.5
MERCURY	0.02	ppm	ND	PASS	1
LEAD	0.05	ppm	ND	PASS	0.5

Analyzed by: SC, 2326      Weight: 0.2504g      Extraction date: 08/07/23 14:11:17      Detected by: SBS  
 Analytical Method: SOP T 30 101 FL, SOP T 40 101 FL  
 Analytical Batch: DA044677800      Reviewed On: 08/09/23 10:32:44  
 Instrument Used: DA LEWS-015      Running on: 08/10/23 16:32:47  
 Dilution: 100  
 Reagent: 053122-R12, 053477-R13, 052622-R22, 080772-R03, 090122-R01, 090722-R02, 090227-R23, 051802-R28, 062422-R14  
 Consumables: 179426, 210508058, 718801-059  
 Media: N/A

Heavy Metal analysis is performed using Inductively Coupled Plasma Mass Spectrometry in accordance with F.S. Rule 51873-10

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Revision: #3      This revision addresses any and all of the listed versions of the document.

**Jorge Segredo**  
Lab Director

Date Issued: 08/09/23  
9017035 Arredondo Ave Suite 1408  
Davie, FL 33314  
Phone: 954-272-8284



Signature

01/24/23

Signed On

