



Certificate of Analysis

Company: Welliva
PO Box 3324
Burlington, VT 05408

Sample ID: Z-Time Sleep

Lot: 821-ZTS

Matrix: Oil

Report Date: 8/20/2021

Date Analyzed: 8/18/2021

Customer ID: 210810-0

Date Sampled: NA

Analyst: CDF

Grower License #: NA

Date Received: 8/16/2021

Report ID: C210816AH

Pesticides/Mycotoxins Summary

Category II Residual Pesticide	LOQ (ppb)	Concentration (ppb)
Abamectin	10.0	<LOQ
Acephate	1.0	<LOQ
Acequinocyl	1.0	<LOQ
Acetamiprid	1.0	<LOQ
Azoxystrobin	1.0	<LOQ
Bifenazate	1.0	<LOQ
Bifenthrin	1.0	<LOQ
Boscalid	1.0	<LOQ
Carbaryl	1.0	<LOQ
Chlorantraniliprole	1.0	<LOQ
Clofentezine	1.0	<LOQ
Cyfluthrin	10.0	<LOQ
Cypermethrin	10.0	<LOQ
Diazinon	1.0	<LOQ
Etoxazole	1.0	<LOQ
Fenpyroximate	1.0	<LOQ
Fonicamid	1.0	<LOQ
Hexythiazox	1.0	<LOQ
Imidacloprid	1.0	<LOQ
Kresoxim-methyl	1.0	<LOQ
Malathion	1.0	<LOQ
Metalaxyl	1.0	<LOQ
MGK-264	1.0	<LOQ
Methomyl	1.0	<LOQ
Myclobutanil	1.0	<LOQ
Naled	1.0	<LOQ
Oxamyl	1.0	<LOQ
Permethrin	1.0	<LOQ
Phosmet	1.0	<LOQ
Piperonylbutoxide	1.0	<LOQ
Prallethrin	1.0	<LOQ
Propiconazole	1.0	<LOQ
Pyrethrin I	1.0	<LOQ
Pyrethrin II	1.0	<LOQ
Pyridaben	1.0	<LOQ
Spinosyn A	1.0	<LOQ
Spinosyn D	1.0	<LOQ
Spiromesifen	1.0	<LOQ
Spirotetramat	1.0	<LOQ
Tebuconazole	1.0	<LOQ
Thiamethoxam	1.0	<LOQ
Trifloxystrobin	1.0	<LOQ

Category II Mycotoxin	LOQ (ppb)	Concentration (ppb)
Ochratoxin A	2.0	<LOQ
Aflatoxin B1	0.2	<LOQ
Alfatoxin B2	1.0	<LOQ
Alfatoxin G1	0.2	<LOQ
Alfatoxin G2	1.0	<LOQ

Category I Residual Pesticide	LOQ (ppb)	Concentration (ppb)
Aldicarb	1.0	<LOQ
Carbofuran	1.0	<LOQ
Chlorfenpyr	1.0	<LOQ
Chlorpyrifos	1.0	<LOQ
Daminozide	10.0	<LOQ
DDVP (Dichlorvos)	1.0	<LOQ
Dimethoate	1.0	<LOQ
Ethoprop(hos)	1.0	<LOQ
Etofenprox	1.0	<LOQ
Fenoxycarb	1.0	<LOQ
Fipronil	25.0	<LOQ
Imazalil	1.0	<LOQ
Methiocarb	1.0	<LOQ
Methyl parathion	1.0	<LOQ
Paclobutrazol	1.0	<LOQ
Propoxur	1.0	<LOQ
Spiroxamine	5.0	<LOQ
Thiacloprid	1.0	<LOQ

NA

Percent Moisture

LOQ = The lowest quantity this method can reliably detect. Any pesticide or mycotoxins that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

ppb = parts per billion

Pesticides/Mycotoxin Methodology: Liquid Chromatography with Tandem Mass Spectrometry using PerkinElmer QSight® LX50 UHPLC and QSight 220 Mass Spectrometer

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 PO Box 3324
 Burlington, VT 05408
Customer ID: 210810-0
Grower License #: NA

Sample ID: Z-Time Sleep
Lot: 821-ZTS
Matrix: Oil
Date Sampled: NA
Date Received: 8/16/2021

Report Date: 8/20/2021
Date Analyzed: 8/16/2021
Analyst: CDF
Report ID: C210816AH

Plate Count Summary

Microbial Profile	3M Petrifilm Reference #	LOQ (cfu/g)	Plate Count (cfu/g)
Total Aerobic Plate Count	6400	91	<LOQ
Yeast and Mold Plate Count	6407	91	<LOQ



Microbial Methodology: 3M™ Petrifilm Plates

cfu/g = colony forming units per gram

LOQ = The lowest quantity that this method can reliably detect. Any microbial growth that was not detected is assumed to be less than the stated LOQ (<LOQ).

Reagent Blanks: <LOQ for all analytes

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Certificate of Analysis

Company: Welliva	Sample ID: Z-Time Sleep	Report Date: 8/20/2021
PO Box 3324	Lot: 821-ZTS	Date Analyzed: 8/17/2021
Burlington, VT 05408	Matrix: Oil	Analyst: SCG
Customer ID: 210810-0	Date Sampled: NA	Report ID: C210816AH
Grower License #: NA	Date Received: 8/16/2021	

Residual Solvents Summary

Residual Solvent	LOQ (µg/g)	Results (µg/g)
1,2-Dichloroethane	0.002	<LOQ
Benzene	0.003	<LOQ
Chloroform	0.006	<LOQ
Methylene Chloride	0.005	<LOQ
Trichloroethylene	0.001	<LOQ
Acetone	0.005	<LOQ
Acetonitrile	0.002	<LOQ
Propane	0.005	<LOQ
Butane	24.000	<LOQ
Ethanol	0.036	<LOQ
Ethyl acetate	0.014	<LOQ
Ethyl Ether	0.225	<LOQ
Heptane	1.500	<LOQ
Hexane	0.023	<LOQ
Isopropyl Alcohol	0.018	<LOQ
Methanol	0.009	<LOQ
Pentane	22.500	<LOQ
Toluene	0.005	<LOQ
Total Xylenes	0.011	<LOQ

LOQ = The lowest quantity that this method can reliably detect. Any residual solvent that was not detected is assumed to be less than the stated LOQ (<LOQ).

Residual Solvent Methodology: Headspace Sampler, Gas Chromatography-Mass Spectrometry (GC-MS), using Perkin Elmer Clarus® SQ8 GC MS

Reagent Blanks: < LOQs for all analytes



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Summary of Heavy Metal Results

Z-Time Sleep Prepared for Welliva

MANUFACTURER INFO	DATE RECEIVED
Welliva	8/16/2021
LOT NUMBER	DATE ANALYZED
821-ZTS	8/19/2021
MATRIX	REPORT DATE
Oil	8/25/2021
	ORIGINAL REPORT ID
	C210816AH



Heavy Metal Profile	Sample Concentration (ppm)	State of Vermont Action Limits for Harvest Lot and Trim Flower (ppm)		State of Vermont Action Limits for Concentrates, Products, and Infused Products (ppm)	
		Harvest Lot	Trim Flower	Concentrates, Products, and Infused Products	Concentrates, Products, and Infused Products
Arsenic (As)	0.0008	0.200	Less Than Action Limit	1.500	Less Than Action Limit
Cadmium (Cd)	0.0002	0.200	Less Than Action Limit	0.500	Less Than Action Limit
Mercury (Hg)	0.0033	0.100	Less Than Action Limit	1.500	Less Than Action Limit
Lead (Pb)	0.0032	0.500	Less Than Action Limit	1.000	Less Than Action Limit

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Heavy Metal Methodology: ICP-MS using PerkinElmer NexION® 2000 ICP Mass Spectrometer

Reagent Blanks: < LOQs for all analytes

ppm = parts per million

Not Detected = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

Action Limits are used to indicate the level of concentration of a harmful or toxic substance or contaminant that when exceeded is considered sufficient to warrant regulatory or remedial action.

Please note, the action limits indicated in this chart are for your reference only and are determined by the State of Vermont for heavy metals in harvest lot and trim flower, concentrates, products, and infused-products.

NA

**Percent
Moisture**

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