

## CERTIFICATE OF ANALYSIS

Product Name: Zinc Gluconate 100 mg  
 Presentation: 30 Tablets per bottle  
 Serving Size: 1 Tablet  
 Servings Per Unit: 30  
 Units per Run: 1,500  
 Lot Number: 12283

CoA Number: MBC003-2021  
 Bulk Number: BK1177  
 Manufacture Date: 11/2021  
 Expiration Date: 11/2024  
 Testing Completed: 11/11/2021  
 P.O: 1005

### Physical Analysis


Test	Specification	Result	Method
Appearance and Color	Round tablet ⅜ inch white	Pass	Visual, SOP 024
Weight (mg)	260 mg ± 5%	259 mg	USP<2091>, SOP L047
Disintegration	< 30 min	20 sec.	USP<2040>, SOP L048
Hardness (kp)	≥ 3 kp	6.2 kp	USP<1217>, SOP L049
Thickness (mm)	≤ 5 mm	3.3 mm	USP<1217>, SOP L051
Friability (%)	<1.0%	0.10%	USP<1216>, SOP L050

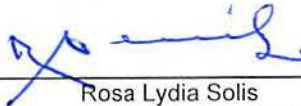
### Chemical Analysis

Active Ingredients per tablet	Composition	Specification	Assay Result (CoA)	Method
Zinc (as Zinc Gluconate)	100 mg	(90 - 125) mg	Pass	ICP-MS USP<730>, STP 015

### Microbiological Analysis

Test	Specification	Result	Method
Rapid Aerobic Count Plate	≤1,000 cfu/g	<1,000 cfu/g	USP-NF<2021>, SOP L056
Rapid Yeast & Mold Count Plate	≤100 cfu/g	<100 cfu/g	USP-NF<2021>, SOP L056
Escherichia coli	Absence / 10g	Negative	USP-NF<2021>, SOP L056
Salmonella spp	Absence / 10g	Negative	USP-NF<2021>, SOP L056

Prepared by   
 Wilmer Torres  
 QUALITY SPECIALIST  
11/12/2021  
 DATE

Approved by   
 Rosa Lydia Solis  
 QUALITY ASSURANCE MANAGER  
11/12/2021  
 DATE

DEA No. RA0571996  
FL License # CMTL-0003  
CLIA No. 10D1094068

# Certificate of Analysis

Compliance Test

Elm & Rye

Batch # 0123004512  
Batch Date: 2023-01-20  
Extracted From: n/a

Test Reg State: Florida

1901 Avenue of the Stars, 2nd Floor  
Los Angeles, CA 90067

Order # CRE230203-080001  
Order Date: 2023-02-03  
Sample # AAEB393

Sampling Date: 2023-02-07  
Lab Batch Date: 2023-02-07  
Completion Date: 2023-02-12

Initial Gross Weight: 47.419 g  
Net Weight: 42.819 g

Number of Units: 1  
Net Weight per Unit: 5.000 g



Product Image

**Heavy Metals**  
Passed

**Mycotoxins**  
Passed

**Pesticides**  
Passed

**Residual Solvents**  
Passed

**Listeria Monocytogenes**  
Passed

**Microbiology (qPCR)**  
Passed

**Residual Solvents - FL (CBD)**  
Specimen Weight: 10.200 mg  
Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Passed	
								SOP13.039 (GCMS)	Result (ppm)
1,1-Dichloroethene	0.0094	0.16	8	<LOQ	Heptane	0.0013	1.39	5000	<LOQ
1,2-Dichloroethane	0.0003	0.04	5	<LOQ	Hexane	0.068	1.17	290	<LOQ
Acetone	0.015	2.08	5000	<LOQ	Isopropyl alcohol	0.0048	1.39	500	<LOQ
Acetonitrile	0.06	1.17	410	<LOQ	Methanol	0.0005	0.69	3000	15.386
Benzene	0.0002	0.02	2	<LOQ	Methylene chloride	0.0029	2.43	600	<LOQ
Butenes	0.4167	2.5	2000	<LOQ	Pentane	0.037	2.08	5000	<LOQ
Chloroform	0.0001	0.04	60	<LOQ	Propane	0.031	5.83	2100	<LOQ
Ethanol	0.0021	2.78	5000	<LOQ	Toluene	0.0009	2.92	890	<LOQ
Ethyl Acetate	0.0012	1.11	5000	<LOQ	Total Xylenes	0.0001	2.92	2170	<LOQ
Ethyl Ether	0.0049	1.39	5000	<LOQ	Trichloroethylene	0.0014	0.49	80	<LOQ
Ethylene Oxide	0.0038	0.1	5	<LOQ					

Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)

Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.87), Total Active THC = THCA-A \* 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA \* 0.87), CBG Total = (CBGA \* 0.877) + CBG, CBN Total = (CBNA \* 0.877) + CBN, Total CBC = CBC + (CBCA \* 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta 8-THC + Delta 9-THC + Total CBN + CBT + CBE + Delta 8-THCV + Total CBG + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta 10-THC + Total THC-O-Acetate. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (ug/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (ug/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram  
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Sample # AAEB393

Sampling Date: 2023-02-07  
Lab Batch Date: 2023-02-07  
Completion Date: 2023-02-12

Initial Gross Weight: 47.419 g  
Net Weight: 42.819 g

Number of Units: 1  
Net Weight per Unit: 5.000 g



**Pesticides FL V4**  
Specimen Weight: 260.000 mg  
Dilution Factor: 5.770

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abarbectin	2.8800E1	28.23	300	<LOQ	Fludioxonil	1.7400E+0	48	3000	<LOQ
Acephate	2.3000E-2	30	3000	<LOQ	Hexythiazox	4.9000E-2	30	2000	<LOQ
Acequinocyl	9.5640E+0	48	2000	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	3000	<LOQ	Imidacloprid	9.4000E-2	30	3000	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	1000	<LOQ
Azoxystrobin	8.1000E-2	10	3000	<LOQ	Malathion	8.2000E-2	30	2000	<LOQ
Bifenazate	1.4150E+0	30	3000	<LOQ	Metalaxyl	8.1000E-2	10	3000	<LOQ
Bifenthrin	4.3000E-2	30	500	<LOQ	Methioach	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	3000	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	3000	<LOQ	methyl Parathion	1.7100E+0	10	100	<LOQ
Carbaryl	2.2000E-2	10	500	<LOQ	Mevinphos	2.1500E+0	10	100	<LOQ
Carbofuran	3.4000E-2	10	100	<LOQ	Myclobutanil	1.0290E+0	30	3000	<LOQ
Chlorantraniliprole	3.3000E-2	10	3000	<LOQ	Naled	9.5000E-2	30	500	<LOQ
Chloridane	1.0000E+1	10	100	<LOQ	Oxymyl	2.5000E-2	30	500	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Pacllobutrazol	6.5000E-2	30	100	<LOQ
Chlormequat Chloride	1.0800E-1	10	3000	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	200	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Permethrin	3.4300E1	30	1000	<LOQ
Clofentezine	1.1900E-1	30	500	<LOQ	Phosmet	8.2000E-2	30	200	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cyfluthrin	3.1100E+0	30	1000	<LOQ	Prallethrin	7.9800E1	30	400	<LOQ
Cypermethrin	1.4490E+0	30	1000	<LOQ	Propiconazole	7.0000E-2	30	1000	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	200	<LOQ	Pyrethrins	2.3593E+1	30	1000	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyridaben	3.2000E-2	30	3000	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Spinetoram	8.0000E-2	10	3000	<LOQ
Dimethomorph	5.8300E+0	48	3000	<LOQ	Spinosad	8.8000E2	30	3000	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spiromesifen	2.6100E1	30	3000	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spirotetramat	8.9000E-2	30	3000	<LOQ
Etoxazole	9.5000E-2	30	1500	<LOQ	Spiroxamine	1.3100E1	30	100	<LOQ
Fenhexamid	5.1000E-1	10	3000	<LOQ	Tebuconazole	6.7000E-2	30	1000	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fenprophimate	1.3800E-1	30	2000	<LOQ	Thiamethoxam	5.0000E-2	30	1000	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	3000	<LOQ
Flonicamid	5.1700E-1	30	2000	<LOQ					

**Passed**  
SOP13.007  
(LCMS/GCMS)



**Microbiology (qPCR)**  
Specimen Weight: 507.250 mg  
Dilution Factor: 1.000



**Listeria Monocytogenes**  
Specimen Weight: 971.000 mg  
Dilution Factor: 1.000

Analyte	Result (cfu/g)	Remark	Action Level (cfu/g)	Result
Total Aerobic Count	Not Detected	Not Detected		
Total Coliform	Not Detected	Not Detected		
Listeria Monocytogenes			1	Absence in 1g

**Passed**  
SOP13.017  
(qPCR)

Analyte	Result (cfu/g)	Remark
Total Enterobacteriaceae	Not Detected	Not Detected
Total Yeast/Mold	Not Detected	Not Detected

**Passed**  
SOP13.032  
(qPCR)

Analyte	Result
Listeria Monocytogenes	Absence in 1g

*Aixia Sun*  
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Sample # AAEB 393

Completion Date: 2023-02-12



### Mycotoxins

Specimen Weight: 260.000 mg

Dilution Factor: 5.770

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	3.0400E-1	6	20	<LOQ	Aflatoxin G2	2.7100E-1	6	20	<LOQ
Aflatoxin B2	7.7000E-2	6	20	<LOQ	Ochratoxin A	7.5400E-1	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	6	20	<LOQ					

Passed

SOP13.007 (LCMS)



### Heavy Metals

Specimen Weight: 248.600 mg

Dilution Factor: 201

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.83	100	1500	<LOQ	Lead (Pb)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	500	<LOQ	Mercury (Hg)	.58	100	3000	<LOQ

Passed

SOP13.048 (ICP-MS)

Aixia Sun Lab Director/Principal Scientist  
B.S., M.Sc., B.Sc., MT (AAB)



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