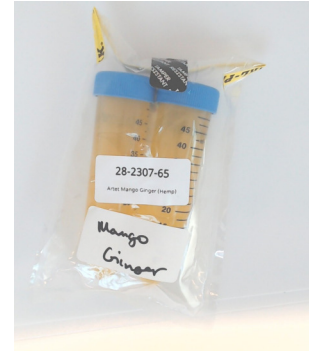




# Certificate of Analysis

Report Published: 07/19/2023



<b>Sample Description:</b> Artet Mango Ginger (Hemp)	
<b>Batch ID:</b> 23.079	<b>Lot ID:</b> None
<b>Sample ID:</b> 28-2307-65	<b>Sampling Method:</b> SOP-SMPL-006
<b>Sample Type:</b> Beverage (Low)	<b>Sampling Date:</b> 07/14/2023

## Results Summary

<b>Potency</b>	<b>✓ PASS</b>
Date Analyzed: 07/16/2023	Method Used: SOP-CANN-001
<b>Pesticides</b>	<b>✓ TESTED</b>
Date Analyzed: 07/17/2023	Method Used: SOP_PEST_001
<b>Mycotoxins</b>	<b>✓ TESTED</b>
Date Analyzed: 07/17/2023	Method Used: SOP_MYCO_001
<b>Heavy Metals</b>	<b>✓ TESTED</b>
Date Analyzed: 07/18/2023	Method Used: SOP_HM_001
<b>Residual Solvents</b>	<b>✓ TESTED</b>
Date Analyzed: 07/17/2023	Method Used: SOP_RS_001
<b>Microbial Impurities</b>	<b>✓ TESTED</b>
Date Analyzed: 07/16/2023	Method Used: SOP_MICRO_001
<b>Foreign Matter</b>	<b>✓ TESTED</b>
Date Analyzed: 07/19/2023	Method Used: SOP_FM_001

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Nicholas Williams, Ph.D. - Lab Director 07/19/2023

**Potency - Hemp Compliance**
 **PASS**
**Date Analyzed:** 07/16/2023  
**Instrument:** Agilent 1260 HPLC

**Date Completed:** 07/17/2023  
**Lab Tech:** Landen Nickel

**Moisture Content (%):** None  
**Unit Size (oz):** 8

Cannabinoid	Result (%)	Result (mg/g)	Result (mg/unit)	Result (mg/package)	LOD (%)	LOQ (%)	Status
CBDVA	ND	ND	ND	ND	5e-05	0.0001	-
CBDV	ND	ND	ND	ND	5e-05	0.0001	-
CBDA	ND	ND	ND	ND	5e-05	0.0001	-
CBD	0.002	0.023	5.342	21.368	5e-05	0.0001	-
THCVA	ND	ND	ND	ND	5e-05	0.0001	-
THCV	ND	ND	ND	ND	5e-05	0.0001	-
Δ8-THC	<LOQ	<LOQ	<LOQ	<LOQ	5e-05	0.0001	-
Δ9-THC	0.002	0.021	4.952	19.807	5e-05	0.0001	-
THCA	ND	ND	ND	ND	5e-05	0.0001	-
CBN	ND	ND	ND	ND	5e-05	0.0001	-
CBCA	ND	ND	ND	ND	5e-05	0.0001	-
CBC	ND	ND	ND	ND	5e-05	0.0001	-
CBGA	ND	ND	ND	ND	5e-05	0.0001	-
CBG	ND	ND	ND	ND	5e-05	0.0001	-
<b>Total CBD</b>	<b>0.002</b>	<b>0.023</b>	<b>5.342</b>	<b>21.368</b>			-
<b>Total THC</b>	<b>0.002</b>	<b>0.021</b>	<b>4.952</b>	<b>19.807</b>			<b>Pass</b>
<b>Total Cannabinoids</b>	<b>0.004</b>	<b>0.044</b>	<b>10.294</b>	<b>41.176</b>			-

**Total THC % =** THC% + (THCA% x 0.877)

**Total CBD % =** CBD% + (CBDA% x 0.877)

**Total Cannabinoids =** Sum of all cannabinoids without THC/CBD corrections.

**LOD =** Limit of Detection; **LOQ =** Limit of Quantitation; **ND =** Not Detected.

The reported result for each analyte includes a moisture content correction equal to: Base% / (1 - Moisture%)

Relative Abundance represents the percentage of each analyte compared with the total cannabinoid content.

## Pesticides

 **TESTED**

**Date Analyzed:** 07/17/2023  
**Instrument:** Agilent Ultivo LC-MS/MS

**Date Completed:** 07/18/2023  
**Lab Tech:** Mattie Jensen

Pesticide	Result (ppb)	LOD (ppb)	LOQ (ppb)
Acephate	ND	10.000	50.000
Acetamiprid	ND	1.000	5.000
Aldicarb	ND	5.000	10.000
Bifenazate	ND	0.500	1.000
Bifenthrin	NR	5.000	5.000
Carbaryl	ND	5.000	5.000
Carbofuran	ND	0.500	1.000
Chlorantraniliprole	ND	10.000	20.000
Chloromequat Chloride	ND	20.000	40.000
Chlorpyrifos	ND	5.000	5.000
Chlofentezine	ND	5.000	10.000
Coumaphos	ND	5.000	5.000
Diazinon	ND	0.500	1.000
Dimethomorph I	ND	5.000	5.000
Dimethomorph II	ND	5.000	5.000
Ethoprophos	ND	1.000	5.000
Etofenprox	ND	1.000	1.000
Etoxazole	ND	0.500	1.000
Fenhexamid	ND	5.000	10.000
Fenpyroximate	ND	0.500	1.000
Fipronil	ND	5.000	5.000

Pesticide	Result (ppb)	LOD (ppb)	LOQ (ppb)
Flonicamid	ND	1.000	5.000
Fludioxonil	ND	5.000	5.000
Hexythiazox	ND	5.000	5.000
Imidacloprid	ND	1.000	5.000
Kresoxim Methyl	ND	5.000	5.000
Metalaxyl	ND	0.500	1.000
Oxamyl I	ND	1.000	5.000
Phosmet	ND	5.000	5.000
Prallethrin	NR	5.000	10.000
Pyridaben	ND	0.500	1.000
Spinetoram J	ND	0.500	1.000
Spinetoram L	ND	0.500	1.000
Spinosyn A	ND	5.000	5.000
Spinosyn D	ND	5.000	5.000
Spiromesifen	ND	0.500	1.000
Spirotetramat	ND	5.000	5.000
Spiroxamine I	ND	0.500	1.000
Spiroxamine II	ND	0.500	1.000
Tebuconazole	ND	5.000	5.000
Thiacloprid	ND	0.500	1.000
Thiamethoxam	ND	1.000	5.000
Trifloxystrobin	ND	0.500	1.000

## Mycotoxins

 **TESTED**

**Date Analyzed:** 07/17/2023  
**Instrument:** Agilent Ultivo LC-MS/MS

**Date Completed:** 07/19/2023  
**Lab Tech:** Mattie Jensen

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)
Aflatoxin B1	ND	4.961	9.921
Aflatoxin B2	ND	4.961	9.921
Aflatoxin G1	ND	4.961	9.921
Aflatoxin G2	ND	4.961	9.921
Ochratoxin A	ND	9.921	9.921

## Heavy Metals


 **TESTED**

**Date Analyzed:** 07/18/2023  
**Instrument:** Agilent 7800 ICP-MS

**Date Completed:** 07/19/2023  
**Lab Tech:** Maia Mrkvicka

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)
Lead	ND	3.427	171.350
Arsenic	ND	3.427	171.350
Cadmium	ND	3.427	171.350
Mercury	ND	3.427	17.135
Chromium	ND	3.427	171.350

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 Nicholas Williams, Ph.D. - Lab Director 07/19/2023

## Residual Solvents

 **TESTED**
**Date Analyzed:** 07/17/2023  
**Instrument:** GC-FID

**Date Completed:** 07/18/2023  
**Lab Tech:** Landen Nickel

Residual Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)
Propane	ND	7.177	14.354
Butane	ND	9.361	14.354
Methanol	ND	7.680	14.354
Ethylene Oxide	ND	0.105	2.392
Pentane	ND	3.316	14.354
Ethanol	1073.030	1.391	14.354
Ethyl Ether	ND	3.134	14.354
Acetone	ND	2.885	14.354
Petroleum Ether	ND	0.346	1.156
Isopropyl Alcohol	ND	1.251	14.354
Methylene Chloride	ND	0.619	14.354
Hexane	ND	0.346	14.354
Ethyl Acetate	ND	1.922	14.354
Heptane	ND	2.392	14.354
Trichloroethene	ND	0.066	14.354
Toluene	ND	0.457	14.354
Total Xylenes	ND	1.454	14.354

## Microbial Impurities (Quantitative)

 **TESTED**
**Date Analyzed:** 07/16/2023  
**Instrument:** 3M Petrifilm

**Date Completed:** 07/18/2023  
**Lab Tech:** Landen Nickel

Microbials (Quantitative)	Result (CFU/g)
Total Coliform Count	ND
Total BTGN Count	ND
Total Aerobic Content Count	ND
Total Yeast and Mold Count	ND

TNTC = Too numerous to count.

## Microbial Impurities (Qualitative)

 **TESTED**
**Date Analyzed:** 07/16/2023  
**Instrument:** 3M Petrifilm

**Date Completed:** 07/18/2023  
**Lab Tech:** Landen Nickel

Microbials (Qualitative)	Result
STEC	Not Detected
Salmonella Spp.	Not Detected

TNTC = Too numerous to count.

## Foreign Matter

 **TESTED**

**Date Analyzed:** 07/19/2023  
**Instrument:** Visual Inspection

**Date Completed:** 07/19/2023  
**Lab Tech:** Malcolm Manning

Foreign Materials	Result (% w/w)
Cinders	ND
Dirt	ND
Insect Fragments	ND
Mold	ND
Other	ND

--- END OF REPORT ---