

Mint Pouches

Batch ID:	UT-RD-Mint	Test ID:	T000156841
Matrix:	Finished Product	Received:	08/12/2021 @ 01:28 PM
Test:	Microbial Contaminants	Started:	8/13/2021
Method:	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Reported:	8/17/2021

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	LLOQ	ULOQ	Result
Total Aerobic Count*	TM-26 Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	8.3x10³ CFU/g
Total Coliforms*	TM-27 Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected
Total Yeast and Molds*	TM-24 Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected
E. coli	TM-28 Culture Plating	1 CFU/g	NA	NA	Absent
E. coli (STEC)	TM-25 PCR	1 CFU/g	NA	NA	Absent
Salmonella	TM-25 PCR	1 CFU/g	NA	NA	Absent

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU

NOTES:

Free from visual mold, mildew, and foreign matter

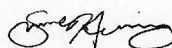
DEFINITIONS:

CFU/g = Colony Forming Units per Gram.
 LOD = Limit of Detection
 ULOQ = Upper Limit of Quantitation
 LLOQ = Lower Limit of Quantitation

FINAL APPROVAL



Jackson Osaghae-Nosi
 17-Aug-2021
 10:16 AM



Sarah Henning
 17-Aug-2021
 3:26 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.03. Testing associated with this certificate of analysis performed by an external ISO17025 accredited provider.

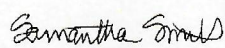


Certificate #4329.03

Prepared for:

Zoetic Corporation**Mint Pouches**Batch ID or Lot Number:
UT-RD-MintTest:
MycotoxinsReported:
8/19/21Location:
PO Box 832
Palisade, CO 81526Matrix:
ConcentrateTest ID:
T000156844Started:
8/18/21USDA License:
N/AStatus:
N/AMethod:
TM18 (UHPLC-QQQ LCMS/MS):
MycotoxinsReceived:
08/12/2021 @ 01:28 PMSampler ID:
N/A**MYCOTOXIN DETERMINATION**

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.3 - 136.2	ND	N/A
Aflatoxin B1	1.1 - 34.4	ND	
Aflatoxin B2	1.2 - 33.4	ND	
Aflatoxin G1	1 - 34.6	ND	
Aflatoxin G2	1.3 - 32.6	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Sam Smith
19-Aug-21
1:11 PMTaylor Brevik
19-Aug-21
1:13 PM

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Definitions

ND = None Detected (Defined by Dynamic Range of the method)

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Certificate #4329.02

Prepared for:

Zoetic Corporation
Mint Pouches

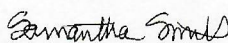
Batch ID or Lot Number: UT-RD-Mint	Test: Pesticides	Reported: 8/20/21	Location: PO Box 832 Palisade, CO 81526
Matrix: Concentrate	Test ID: T000156840	Started: 8/19/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS)	Received: 08/12/2021 @ 01:28 PM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	33	ND	Fenoxycarb	34	ND	Paclobutrazol	34	ND
Acetamiprid	34	ND	Fipronil	22	ND	Permethrin	292	ND
Avermectin	378	ND	Flonicamid	45	ND	Phosmet	33	ND
Azoxystrobin	37	ND	Fludioxonil	292	ND	Propfos	285	ND
Bifenazate	40	ND	Hexythiazox	34	ND	Propoxur	34	ND
Boscalid	34	ND	Imazalil	286	ND	Pyridaben	303	ND
Carbaryl	30	ND	Imidacloprid	35	ND	Spinosad A	27	ND
Carbofuran	34	ND	Kresoxim-methyl	150	ND	Spinosad D	56	ND
Chlorantraniliprole	32	ND	Malathion	310	ND	Spiromesifen	275	ND
Chlorpyrifos	500	ND	Metalaxyl	36	ND	Spirotetramat	258	ND
Clofentezine	305	ND	Methiocarb	32	ND	Spiroxamine 1	14	ND
Diazinon	296	ND	Methomyl	35	ND	Spiroxamine 2	18	ND
Dichlorvos	277	ND	MGK 264 1	165	ND	Tebuconazole	322	ND
Dimethoate	33	ND	MGK 264 2	126	ND	Thiacloprid	35	ND
E-Fenpyroximate	296	ND	Myclobutanil	32	ND	Thiamethoxam	34	ND
Etofenprox	35	ND	Naled	36	ND	Trifloxystrobin	36	ND
Etoazole	317	ND	Oxamyl	1500	ND			



 Karen Winternheimer
 8/20/2021
 2:32:00 PM



 Sam Smith
 8/20/2021
 2:36:00 PM

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Definitions

 LOQ = Limit of Quantification
 ppb = Parts per Billion

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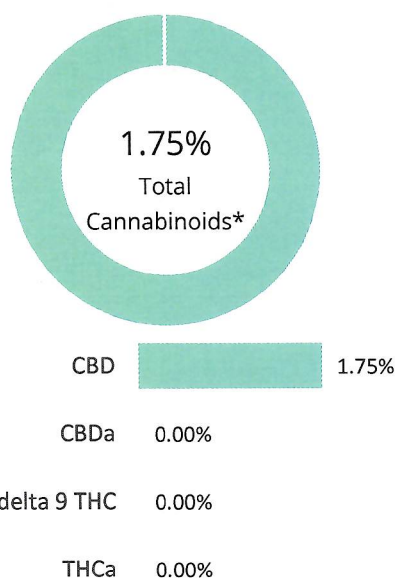


Certificate #4329.02

Mint Pouches

Batch ID: UT-RD-Mint	Test ID: T000156839
Type: Concentrate	Submitted: 08/12/2021 @ 01:28 PM
Test: Potency	Started: 8/13/2021
Method: TM14 (HPLC-DAD)	Reported: 8/17/2021

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.04	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.05	ND	ND
Cannabidiolic acid (CBDA)	0.07	ND	ND
Cannabidiol (CBD)	0.07	1.75	17.5
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.05	ND	ND
Cannabinolic Acid (CBNA)	0.03	ND	ND
Cannabinol (CBN)	0.01	ND	ND
Cannabigerolic acid (CBGA)	0.04	ND	ND
Cannabigerol (CBG)	0.01	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.04	ND	ND
Tetrahydrocannabivarin (THCV)	0.01	ND	ND
Cannabidivarinic Acid (CBDVA)	0.03	ND	ND
Cannabidivarin (CBDV)	0.02	ND	ND
Cannabichromenic Acid (CBCA)	0.02	ND	ND
Cannabichromene (CBC)	0.02	ND	ND
Total Cannabinoids		1.75	17.5
Total Potential THC**		ND	ND
Total Potential CBD**		1.75	17.5

NOTES:

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.


** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

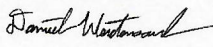
Total THC = THC + (THCa *(0.877)) and

Total CBD = CBD + (CBDa *(0.877))

ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL


Tavior Brevik
17-Aug-2021
1:01 PM


Daniel Weidensaul
17-Aug-2021
1:14 PM

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Prepared for:

Mint Pouches
Zoetic Corporation

Batch ID or Lot Number: UT-RD-Mint	Test: Residual Solvents	Reported: 8/17/21	Location: PO Box 832 Palisade, CO 81526
Matrix: N/A	Test ID: T000156843	Started: 8/16/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS); Residual Solvents	Received: 08/12/2021 @ 01:28 PM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	63 - 1267	*ND	
Butanes (Isobutane, n-Butane)	120 - 2402	*ND	
Methanol	46 - 919	*ND	
Pentane	67 - 1344	*ND	
Ethanol	73 - 1463	*ND	
Acetone	75 - 1506	*ND	
Isopropyl Alcohol	80 - 1603	*ND	
Hexane	5 - 93	*ND	
Ethyl Acetate	77 - 1532	*ND	
Benzene	0 - 3	*ND	
Heptanes	72 - 1439	*ND	
Toluene	14 - 275	*ND	
Xylenes (m,p,o-Xylenes)	100 - 2003	*ND	



 Taylor Brevik
17-Aug-21
1:37 PM



 Daniel Weidensaul
17-Aug-21
1:42 PM

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Definitions

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