

Vanilla Pouches

Batch ID:	UT-RD-Vanilla	Test ID:	T000156835
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

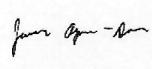
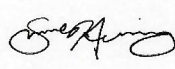
Contaminant	Method	LOD	LLOQ	ULOQ	Result
Total Aerobic Count*	TM-26 Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	2.1x10⁴ CFU/g
Total Coliforms*	TM-27 Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected
Total Yeast and Molds*	TM-24 Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	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

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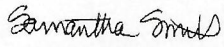
Vanilla Pouches


Zoetic Corporation

Batch ID or Lot Number: UT-RD-Vanilla	Test: Mycotoxins	Reported: 8/19/21	Location: PO Box 832 Palisade, CO 81526
Matrix: Concentrate	Test ID: T000156838	Started: 8/18/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 08/12/2021 @ 01:28 PM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.4 - 140.6	ND	N/A
Aflatoxin B1	1.2 - 35.5	ND	
Aflatoxin B2	1.2 - 34.5	ND	
Aflatoxin G1	1 - 35.7	ND	
Aflatoxin G2	1.3 - 33.7	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


 Sam Smith
 19-Aug-21
 1:11 PM
 PREPARED BY / DATE


 Taylor Brevik
 19-Aug-21
 1:13 PM
 APPROVED BY / DATE

Definitions

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

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Vanilla Pouches
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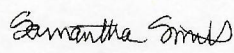
Batch ID or Lot Number: UT-RD-Vanilla	Test: Pesticides	Reported: 8/20/21	Location: PO Box 832 Palisade, CO 81526
Matrix: Concentrate	Test ID: T000156834	Started: 8/19/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 08/12/2021 @ 01:28 PM	Sampler ID: N/A

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	Prophos	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 Winterheimer
 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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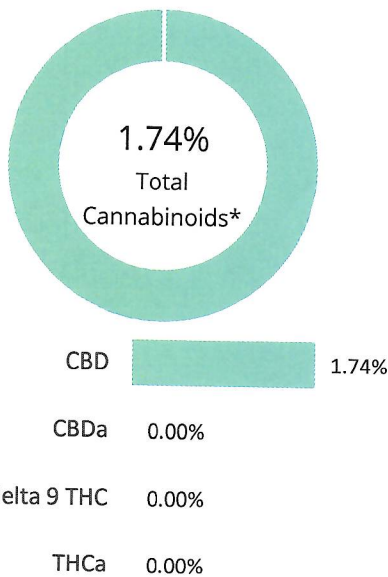


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Vanilla Pouches

Batch ID: UT-RD-Vanilla	Test ID: T000156833
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	1.74	17.4
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		1.74	17.4
Total Potential THC**		ND	ND
Total Potential CBD**		1.74	17.4

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

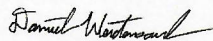
Total CBD = CBD + (CBDa *(0.877))

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

FINAL APPROVAL



 Taylor Brevik
 17-Aug-2021
 1:01 PM



 Daniel Weidensaul
 17-Aug-2021
 1:14 PM

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Prepared for:

Vanilla Pouches

Zoetic Corporation

Batch ID or Lot Number: UT-RD-Vanilla	Test: Residual Solvents	Reported: 8/17/21	Location: PO Box 832 Palisade, CO 81526
Matrix: N/A	Test ID: T000156837	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	60 - 1206	*ND	
Butanes			
(Isobutane, n-Butane)	114 - 2286	*ND	
Methanol	44 - 875	*ND	
Pentane	64 - 1279	*ND	
Ethanol	70 - 1393	*ND	
Acetone	72 - 1434	*ND	
Isopropyl Alcohol	76 - 1525	*ND	
Hexane	4 - 89	*ND	
Ethyl Acetate	73 - 1458	*ND	
Benzene	0 - 3	*ND	
Heptanes	68 - 1369	*ND	
Toluene	13 - 262	*ND	
Xylenes			
(m,p,o-Xylenes)	95 - 1906	*ND	



Taylor Brevik
17-Aug-21
1:37 PM



Daniel Weidensaul
17-Aug-21
1:42 PM

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Definitions

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

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