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## Sample Cosmic Conez Cereal Milk

Sample ID SD240221-071 (913	83)	Matrix Edible (Other Cannabis Good)	Matrix Edible (Other Cannabis Good)				
Tested for Fresh Farms E-Liquid LLC							
Sampled -	Received Feb 21, 2024	Reported Feb 26, 2024					
Analyses executed CANX, RES, MIBNIG, MTO, PES, HME, 4AD, AMU, TRY, PSY		Unit Mass (g) 264.522	Num. of Servings 10	Serving Size (g) 26.45			

CANX - Cannabinoids Analysis Analyzed Feb 23, 2024 | Instrument HPLC-VWD | Method SOP-001 The expanded Uncertainty of the Cannabinoid analysis is approximately **3**.806% at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Result mg/Serving	Result mg/Unit	Sample photography
11-Hydroxy-Δ8-Tetrahydrocannabivarin (11-Hyd-Δ8-THCV)	0.013	0.041	ND	ND	ND	ND	
Cannabidiorcin (CBDO)	0.002	0.007	ND	ND	ND	ND	
Abnormal Cannabidiorcin (a-CBDO)	0.01	0.031	ND	ND	ND	ND	
(+/-)-9B-hydroxy-Hexahydrocannibinol (9b-HHC)	0.012	0.036	ND	ND	ND	ND	
11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC)	0.007	0.021	ND	ND	ND	ND	
Cannabidiolic Acid (CBDA)	0.001	0.16	ND	ND	ND	ND	
Cannabigerol Acid (CBGA)	0.001	0.16	ND	ND	ND	ND	
Cannabigerol (CBG)	0.001	0.16	ND	ND	ND	ND	CSR MIC 1
Cannabidiol (CBD)	0.001	0.16	0.03	0.32	8.46	84.65	
1(S)-THD (s-THD)	0.013	0.041	ND	ND	ND	ND	
1(R)-THD (r-THD)	0.025	0.075	ND	ND	ND	ND	
Tetrahydrocannabivarin (THCV)	0.001	0.16	ND	ND	ND	ND	
Δ8-tetrahydrocannabivarin (Δ8-THCV)	0.021	0.064	ND	ND	ND	ND	
Cannabidihexol (CBDH)	0.005	0.16	ND	ND	ND	ND	
Tetrahydrocannabutol (Δ9-THCB)	0.013	0.038	ND	ND	ND	ND	
Cannabinol (CBN)	0.001	0.16	ND	ND	ND	ND	
Cannabidiphorol (CBDP)	0.015	0.047	ND	ND	ND	ND	
exo-THC (exo-THC)	0.005	0.16	ND	ND	ND	ND	
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	0.18	1.80	47.61	476.14	
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	0.00	0.02	0.53	5.29	
(6aR,9S)-∆10-Tetrahydrocannabinol ((6aR,9S)-∆10)	0.015	0.16	ND	ND	ND	ND	
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	ND	ND	ND	ND	
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	ND	ND	ND	ND	
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	ND	ND	ND	ND	
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND	ND	ND	
Δ9-Tetrahydrocannabihexol (Δ9-THCH)	0.024	0.071	ND	ND	ND	ND	
Cannabinol Acetate (CBNO)	0.014	0.043	ND	ND	ND	ND	
Δ9-Tetrahydrocannabiphorol (Δ9-THCP)	0.017	0.16	ND	ND	ND	ND	
Δ8-Tetrahydrocannabiphorol (Δ8-THCP)	0.041	0.16	ND	ND	ND	ND	
Cannabicitran (CBT)	0.005	0.16	ND	ND	ND	ND	
Δ8-THC-O-acetate (Δ8-THCO)	0.076	0.16	ND	ND	ND	ND	
9(S)-HHCP (s-HHCP)	0.031	0.094	ND	ND	ND	ND	
Δ9-THC-O-acetate (Δ9-THCO)	0.066	0.16	ND	ND	ND	ND	
9(R)-HHCP (r-HHCP)	0.026	0.079	ND	ND	ND	ND	
9(S)-HHC-O-acetate (s-HHCO)	0.005	0.16	ND	ND	ND	ND	
9(R)-HHC-O-acetate (r-HHCO)	0.008	0.025	ND	ND	ND	ND	
3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8)	0.067	0.204	ND	ND	ND	ND	
Δ9-THC methyl ether (Δ9-MeO-THC)			ND	ND	ND	ND	
Total THC ( THCa * 0.877 + Δ9THC )			0.18	1.80	47.61	476.14	
Total THC + $\Delta$ 8THC + $\Delta$ 10THC ( THCa * 0.877 + $\Delta$ 9THC + $\Delta$ 8THC + $\Delta$ 10THC )			0.18	1.82	48.14	481.43	
Total CBD ( CBDa * 0.877 + CBD )			0.03	0.32	8.46	84.65	
Total CBG ( CBGa * 0.877 + CBG )			ND	ND	ND	ND	
Total HHC ( 9r-HHC + 9s-HHC )			ND	ND	ND	ND	
Total Cannabinoids Analyzed			0.21	2.14	56.60	566.08	

# 4AD - 4A-Dimethyltryptamine Analysis Analyzed Feb 23, 2024 | Instrument HPLC VWD | Method SOP-4AD The expanded Uncertainty of the analysis is approximately ±7.806% at the 95% Confidence Level

Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving	Result mg/Unit
Psilacetin (PSLA)	0.015	0.044	ND	ND	ND	ND
4-Hydroxy-DET (4HDE)	0.014	0.042	ND	ND	ND	ND
4-Acetoxy-DET (4ADE)	0.004	0.011	ND	ND	ND	ND
Total Analyzed	-	-	0.00	0.00	0.00	0.00

# AMU - Amanita Muscaria Analysis Analyzed Feb 25, 2024 | Instrument HPLC VWD | Method SOP-AMU The expanded Uncertainty of the analysis is approximately ±7.806% at the 95% Confidence Level

The expended one-name of the analysis is approximating 27.000% at the 75% contractive Level										
Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving	Result mg/Unit				
Ibotenic Acid (IBOa)	1.025	3.105	ND	ND	ND	ND				
Muscimol (MUOL)	0.19	0.576	ND	ND	ND	ND				

UI Unidentified ND Not Detected NA Not Applicable NT Not Reported LOD Limit of Detection LOQ Limit of Quantification <LOQ Detected AUQ Detected >ULQL Above upper limit of linearity >ULQL Above upper limit of linearity CFU/Q colony forming Units per 1 gram TNTC Too Numerous to Count



Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Mon, 26 Feb 2024 08:55:21 -0800



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TRY - Tryptamine Analysis Analyzed Feb 23, 2024 | Instrument HPLC VWD | Method SOP-TRY The expanded Uncertainty of the analysis is approximately ±7.806% at the 95% Confidence Level

The expanded encertaining of the analysis is approximating Enteents at the 55% contractice zero.										
Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving	Result mg/Unit				
Norbaeocystin (NORB)	0.01	0.029	ND	ND	ND	ND				
Baeocystin (BAEO)	0.01	0.029	ND	ND	ND	ND				
Aeruginascin (AERU)	0.007	0.022	ND	ND	ND	ND				
Norpsilocin (NORP)	0.003	0.009	ND	ND	ND	ND				

PSY - Psilocybin & Psilocin Analysis Analyzed Feb 23, 2024 | Instrument HPLC VWD | Method SOP-PSY The expanded Uncertainty of the analysis is approximately ±7.806% at the 95% Confidence Level

Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving	Result mg/Unit
Psilocybin (PSCY)	0.007	0.019	ND	ND	ND	ND
Psilocin (PSCI)	0.003	0.009	ND	ND	ND	ND
	0.005	0.007	NB	110	NB	NB

# HME - Heavy Metals Analysis

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Arsenic (As)	0.0009	0.0027	0.00	1.5
Cadmium (Cd)	0.0005	0.0015	0.00	0.5
Mercury (Hg)	0.0058	0.0174	ND	3
Lead (Pb)	0.0006	0.0018	ND	0.5
Nickel (Ni)	6.0e-05	0.0002	NT	

# MIBNIG - Microbial Analysis

Analyzed Feb 23, 2024   Instrument Plating   Method S Analyte	LOD LOQ	Result CFU/g	Limit Analyte	LOD LOQ	Result CFU/g	Limit
Shiga toxin-producing Escherichia Coli		ND	ND per 1 gram Salmonella spp.		ND	ND per 1 gram

# MTO - Mycotoxin Analysis Analyzed Feb 25, 2024 | Instrument LC/MSMS | Method SOP-004

Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg	Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg
Ochratoxin A	5.0	20.0	ND	20	Aflatoxin B1	2.5	5.0	ND	-
Aflatoxin B2	2.5	5.0	ND	-	Aflatoxin G1	2.5	5.0	ND	-
Aflatoxin G2	2.5	5.0	ND	-	Total Aflatoxins	10.0	20.0	ND	20



Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Mon, 26 Feb 2024 08:55:21 -0800



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# PES - Pesticides Analysis Analyzed Feb 25, 2024 | Instrument LC/MSMS GC/MSMS | Method SOP-003

## **QA** Testing

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Aldicarb	0.0078	0.02	ND	0.0078	Carbofuran	0.01	0.02	ND	0.01
Dimethoate	0.01	0.02	ND	0.01	Etofenprox	0.02	0.1	ND	0.02
Fenoxycarb	0.01	0.02	ND	0.01	Thiachloprid	0.01	0.02	ND	0.01
Daminozide	0.01	0.03	ND	0.01	Dichlorvos	0.02	0.07	ND	0.02
Imazalil	0.02	0.07	ND	0.02	Methiocarb	0.01	0.02	ND	0.01
Spiroxamine	0.01	0.02	ND	0.01	Coumaphos	0.01	0.02	ND	0.01
Fipronil	0.01	0.1	ND	0.01	Paclobutrazol	0.01	0.03	ND	0.01
Chlorpyrifos	0.01	0.04	ND	0.01	Ethoprophos (Prophos)	0.01	0.02	ND	0.01
Baygon (Propoxur)	0.01	0.02	ND	0.01	Chlordane	0.04	0.1	ND	0.04
Chlorfenapyr	0.03	0.1	ND	0.03	Methyl Parathion	0.02	0.1	ND	0.02
Mevinphos	0.03	0.08	ND	0.03	Abamectin	0.03	0.08	ND	0.3
Acephate	0.02	0.05	ND	5	Acetamiprid	0.01	0.05	ND	5
Azoxystrobin	0.01	0.02	ND	40	Bifenazate	0.01	0.05	ND	5
Bifenthrin	0.02	0.35	ND	0.5	Boscalid	0.01	0.03	ND	10
Carbaryl	0.01	0.02	ND	0.5	Chlorantraniliprole	0.01	0.04	ND	40
Clofentezine	0.01	0.03	ND	0.5	Diazinon	0.01	0.02	ND	0.2
Dimethomorph	0.02	0.06	ND	20	Etoxazole	0.01	0.05	ND	1.5
Fenpyroximate	0.02	0.1	ND	2	Flonicamid	0.01	0.02	ND	2
Fludioxonil	0.01	0.05	ND	30	Hexythiazox	0.01	0.03	ND	2
Imidacloprid	0.01	0.05	ND	3	Kresoxim-methyl	0.01	0.03	ND	1
Malathion	0.01	0.05	ND	5	Metalaxyl	0.01	0.02	ND	15
Methomyl	0.02	0.05	ND	0.1	Myclobutanil	0.02	0.07	ND	9
Naled	0.01	0.02	ND	0.5	Oxamyl	0.01	0.02	ND	0.2
Permethrin	0.01	0.02	ND	20	Phosmet	0.01	0.02	ND	0.2
Piperonyl Butoxide	0.02	0.06	ND	8	Propiconazole	0.03	0.08	ND	20
Prallethrin	0.02	0.05	ND	0.4	Pyrethrin	0.05	0.41	ND	1
Pyridaben	0.02	0.07	ND	3	Spinosad A	0.01	0.05	ND	3
Spinosad D	0.01	0.05	ND	3	Spiromesifen	0.02	0.06	ND	12
Spirotetramat	0.01	0.02	ND	13	Tebuconazole	0.01	0.02	ND	2
Thiamethoxam	0.01	0.02	ND	4.5	Trifloxystrobin	0.01	0.02	ND	30
Acequinocyl	0.02	0.09	ND	4	Captan	0.01	0.02	ND	5
Cypermethrin	0.02	0.1	ND	1	Cyfluthrin	0.04	0.1	ND	1
Fenhexamid	0.02	0.07	ND	10	Spinetoram J,L	0.02	0.07	ND	3
Pentachloronitrobenzene	0.01	0.1	ND	0.2					

## **RES - Residual Solvents Analysis**

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Propane (Prop)	0.4	40.0	ND		Butane (But)	0.4	40.0	ND	
Methanol (Metha)	0.4	40.0	ND		Ethylene Oxide (EthOx)	0.4	0.8	ND	
Pentane (Pen)	0.4	40.0	ND		Ethanol (Ethan)	0.4	40.0	ND	
Ethyl Ether (EthEt)	0.4	40.0	ND		Acetone (Acet)	0.4	40.0	ND	
Isopropanol (2-Pro)	0.4	40.0	ND		Acetonitrile (Acetonit)	0.4	40.0	ND	
Methylene Chloride (MetCh)	0.4	0.8	ND		Hexane (Hex)	0.4	40.0	ND	
Ethyl Acetate (EthAc)	0.4	40.0	ND		Chloroform (Clo)	0.4	0.8	ND	
Benzene (Ben)	0.4	0.8	ND		1-2-Dichloroethane (12-Dich)	0.4	0.8	ND	
Heptane (Hep)	0.4	40.0	ND		Trichloroethylene (TriClEth)	0.4	0.8	ND	
Toluene (Toluene)	0.4	40.0	ND		Xulenes (Xul)	0.4	40.0	ND	

UI Unidentified ND Not Detected NA Not Applicable NT Not Reported LOD Limit of Detection LOQ Limit of Otentification <LOQ Detected NUCU. Above upper limit of linearity CFU/g Colony forming Units per 1 gram TNTC Too Numerous to Count



Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Mon, 26 Feb 2024 08:55:21 -0800



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## sample Cosmic Conez Cookie Butter

Sample ID SD240221-070 (913	82)	Matrix Edible (Other Cannabis Good)	Matrix Edible (Other Cannabis Good)					
Tested for Fresh Farms E-Liquid LLC								
Sampled -	Received Feb 21, 2024	Reported Feb 26, 2024						
Analyses executed CANX, RES	5, MIBNIG, MTO, PES, HME, 4AD, AMU, TRY, PSY	Unit Mass (g) 261.065	Num. of Servings 10	Serving Size (g) 26.11				

CANX - Cannabinoids Analysis Analyzed Feb 23, 2024 | Instrument HPLC-VWD | Method SOP-001 The expanded Uncertainty of the Cannabinoid analysis is approximately **3**.806% at the 95% Confidence Level

11-Hydroxy-&8-Tetrahydrocannabivarin (11-Hyd-&8-THCV) Cannabidiorcin (CBDO) Abnormal Cannabidiorcin (a-CBDO) (+/-)-98-hydroxy-Hexahydrocannabinol (9b-HHC) T-Hydroxy-&8-Tetrahydrocannabinol (11-Hyd-&8-THC) Cannabidiolic Acid (CBDA) Cannabigerol Acid (CBGA) Cannabigerol Acid (CBGA) Cannabigerol (CBG) (CBD) (K)-THD (C-THD) Tetrahydrocannabivarin (AB-THCV) Cannabidinexol (CBDH) Etrahydrocannabivarin (A9-THCB)	0.013 0.002 0.01 0.012 0.007 0.001 0.001 0.001 0.001 0.001 0.025 0.001 0.021 0.025 0.001 0.021	0.041 0.007 0.031 0.036 0.021 0.16 0.16 0.16 0.041 0.075 0.16 0.064 0.16	ND ND ND ND ND ND ND 0.03 ND ND ND ND	ND ND ND ND ND ND ND 0.30 ND ND ND ND	ND ND ND ND ND ND 7.83 ND ND ND	ND ND ND ND ND ND ND 78.32 ND ND ND	
Abnormal Cannabidiorcin (a-CBDO) (+/-)-9B-hydroxy-Hexahydrocannibinol (9b-HHC) TI-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC) Cannabidiolic Acid (CBDA) Cannabigerol Acid (CBGA) Cannabigerol (CBG) (CBG) (S)-THD (S-THD) Tetrahydrocannabivarin (THCV) A8-tetrahydrocannabivarin (Δ8-THCV) Cannabidihexol (CBDH)	0.01 0.012 0.007 0.001 0.001 0.001 0.013 0.025 0.001 0.021 0.005 0.013	0.031 0.036 0.021 0.16 0.16 0.16 0.16 0.041 0.075 0.16 0.064	ND ND ND ND 0.03 ND ND ND ND ND	ND ND ND ND ND 0.30 ND ND ND	ND ND ND ND ND 7.83 ND ND	ND ND ND ND ND 78.32 ND ND	
(+/-)-9B-hydroxy-Hexahydrocannabinol (9b-HHC) 11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC) Cannabidiolic Acid (CBDA) Cannabigerol Acid (CBGA) Cannabigerol Acid (CBGA) Cannabidiol (CBD) (5)-THD (s-THD) 1(R)-THD (s-THD) Tetrahydrocannabivarin (THCV) Δ8-tetrahydrocannabivarin (Δ8-THCV) Cannabidihexol (CBDH)	0.012 0.007 0.001 0.001 0.001 0.001 0.013 0.025 0.001 0.021 0.005 0.013	0.036 0.021 0.16 0.16 0.16 0.16 0.041 0.075 0.16 0.064	ND ND ND ND 0.03 ND ND ND ND	ND ND ND ND 0.30 ND ND ND ND	ND ND ND ND 7.83 ND ND	ND ND ND ND 78.32 ND ND	
11-Hydroxy-&8-Tetrahydrocannabinol (11-Hyd-&8-THC) Cannabidolic Acid (CBGA) Cannabigerol Acid (CBGA) Cannabidol (CBG) Cannabidol (CBG) (S)-THD (s-THD) (K)-THD (s-THD) Tetrahydrocannabivarin (THCV) &8-tetrahydrocannabivarin (&8-THCV) Cannabidihexol (CBDH)	0.007 0.001 0.001 0.001 0.001 0.013 0.025 0.001 0.021 0.005 0.013	0.021 0.16 0.16 0.16 0.16 0.041 0.075 0.16 0.064	ND ND ND 0.03 ND ND ND	ND ND ND 0.30 ND ND ND ND ND	ND ND ND 7.83 ND ND	ND ND ND 78.32 ND ND	
Cannabidolic Acid (CBDA) Cannabigerol Acid (CBGA) Cannabigerol (CBG) Cannabidol (CBD) I(S)-THD (s-THD) I(R)-THD (r-THD) Tetrahydrocannabivarin (THCV) A8-tetrahydrocannabivarin (A8-THCV) Cannabidihexol (CBDH)	0.001 0.001 0.001 0.013 0.025 0.001 0.021 0.005 0.013	0.16 0.16 0.16 0.16 0.041 0.075 0.16 0.064	ND ND 0.03 ND ND ND	ND ND 0.30 ND ND ND ND	ND ND 7.83 ND ND	ND ND ND 78.32 ND ND	
Cannabigerol Acid (CBGA) Cannabigerol (CBG) (CBD) (S)-THD (s-THD) (R)-THD (r-THD) Tetrahydrocannabivarin (THCV) Δ8-tetrahydrocannabivarin (Δ8-THCV) Cannabidihexol (CBDH)	0.001 0.001 0.001 0.013 0.025 0.001 0.021 0.005 0.013	0.16 0.16 0.041 0.075 0.16 0.064	ND ND 0.03 ND ND ND	ND ND 0.30 ND ND ND	ND ND 7.83 ND ND	ND ND 78.32 ND ND	
Cannabigerol (CBG) Cannabidiol (CBD) (S)-THD (s-THD) (R)-THD (r-THD) Tetrahydrocannabivarin (THCV) A8-tetrahydrocannabivarin (A8-THCV) Cannabidihexol (CBDH)	0.001 0.001 0.013 0.025 0.001 0.021 0.005 0.013	0.16 0.16 0.041 0.075 0.16 0.064	ND 0.03 ND ND ND	ND 0.30 ND ND ND	ND 7.83 ND ND	ND 78.32 ND ND	CUSMIC
Cannabidiol (CBD) ((S)-THD (s-THD) ((R)-THD (r-THD) Tetrahydrocannabivarin (THCV) &&-tetrahydrocannabivarin (&B-THCV) Cannabidihexol (CBDH)	0.001 0.013 0.025 0.001 0.021 0.005 0.013	0.16 0.041 0.075 0.16 0.064	0.03 ND ND ND	0.30 ND ND ND	7.83 ND ND	78.32 ND ND	
I(S)-THD (s-THD) I(R)-THD (r-THD) Tetrahydrocannabivarin (THCV) Δ8-tetrahydrocannabivarin (Δ8-THCV) Cannabidihexol (CBDH)	0.013 0.025 0.001 0.021 0.005 0.013	0.041 0.075 0.16 0.064	ND ND ND	ND ND ND	ND ND	ND ND	
(R)-THD (r-THD) Tetrahydrocannabivarin (THCV) Δ8-tetrahydrocannabivarin (Δ8-THCV) Cannabidihexol (CBDH)	0.025 0.001 0.021 0.005 0.013	0.075 0.16 0.064	ND ND	ND ND	ND	ND	
Tetrahydrocannabivarin (THCV) Δ8-tetrahydrocannabivarin (Δ8-THCV) Cannabidihexol (CBDH)	0.001 0.021 0.005 0.013	0.16 0.064	ND	ND			
Δ8-tetrahydrocannabivarin (Δ8-THCV) Cannabidihexol (CBDH)	0.021 0.005 0.013	0.064			ND	ND	
Cannabidihexol (CBDH)	0.005 0.013		ND				
Cannabidihexol (CBDH)	0.013	0.16		ND	ND	ND	
Setrabudoccapachutol (A9-THCP)			ND	ND	ND	ND	
		0.038	ND	ND	ND	ND	
Cannabinol (CBN)	0.001	0.16	ND	ND	ND	ND	
Cannabidiphorol (CBDP)	0.015	0.047	ND	ND	ND	ND	
exo-THC (exo-THC)	0.005	0.16	ND	ND	ND	ND	
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	0.17	1.71	44.65	446.42	
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	0.00	0.02	0.52	5.22	
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.16	ND	ND	ND	ND	
Hexahudrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	ND	ND	ND	ND	
6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	ND	ND	ND	ND	
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	ND	ND	ND	ND	
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND	ND	ND	
Δ9-Tetrahydrocannabihexol (Δ9-THCH)	0.024	0.071	ND	ND	ND	ND	
Cannabinol Acetate (CBNO)	0.014	0.043	ND	ND	ND	ND	
Δ9-Tetrahydrocannabiphorol (Δ9-THCP)	0.017	0.16	ND	ND	ND	ND	
Δ8-Tetrahydrocannabiphorol (Δ8-THCP)	0.041	0.16	ND	ND	ND	ND	
Cannabicitran (CBT)	0.005	0.16	ND	ND	ND	ND	
Δ8-THC-O-acetate (Δ8-THCO)	0.076	0.16	ND	ND	ND	ND	
9(S)-HHCP (s-HHCP)	0.031	0.094	ND	ND	ND	ND	
Δ9-THC-O-acetate (Δ9-THCO)	0.066	0.16	ND	ND	ND	ND	
9(R)-HHCP (r-HHCP)	0.026	0.079	ND	ND	ND	ND	
9(S)-HHC-O-acetate (s-HHCO)	0.005	0.16	ND	ND	ND	ND	
9(R)-HHC-O-acetate (r-HHCO)	0.008	0.025	ND	ND	ND	ND	
3-octul-Δ8-Tetrahydrocannabinol (Δ8-THC-C8)	0.067	0.204	ND	ND	ND	ND	
$\Delta$ 9-THC methyl ether ( $\Delta$ 9-MeO-THC)			ND	ND	ND	ND	
Total THC ( THCa * 0.877 + Δ9THC )			0.17	1.71	44.65	446.42	
Total THC + $\Delta$ 8THC + $\Delta$ 10THC ( THCa * 0.877 + $\Delta$ 9THC + $\Delta$ 8THC + $\Delta$ 10THC )			0.17	1.73	45.17	451.64	
Total CBD ( CBDa * 0.877 + CBD )			0.03	0.30	7.83	78.32	
Total CBG ( CBGa * 0.877 + CBG )			ND	ND	ND	ND	
Total HHC ( 9r-HHC + 9s-HHC )			ND	ND	ND	ND	
Total Cannabinoids Analyzed			0.20	2.03	53.00	529.96	

# 4AD - 4A-Dimethyltryptamine Analysis Analyzed Feb 23, 2024 | Instrument HPLC VWD | Method SOP-4AD The expanded Uncertainty of the analysis is approximately ±7.806% at the 95% Confidence Level

Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving	Result mg/Unit
Psilacetin (PSLA)	0.015	0.044	ND	ND	ND	ND
4-Hydroxy-DET (4HDE)	0.014	0.042	ND	ND	ND	ND
4-Acetoxy-DET (4ADE)	0.004	0.011	ND	ND	ND	ND
Total Analyzed	-	-	0.00	0.00	0.00	0.00

# AMU - Amanita Muscaria Analysis Analyzed Feb 25, 2024 | Instrument HPLC VWD | Method SOP-AMU The expanded Uncertainty of the analysis is approximately ±7.806%

+7 906% at the 95% Confidence Love

The expanded officer taining of the analysis is approxi-	matery ±1.000 % at the 95% connuence Lev	The expanded oncertaining of the dialigists approximately 27.000% at the 35% complete Lever											
Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving	Result mg/Unit							
Ibotenic Acid (IBOa)	1.025	3.105	ND	ND	ND	ND							
Muscimol (MUOL)	0.19	0.576	ND	ND	ND	ND							

UI Unidentified ND Not Detected NA Not Applicable NT Not Reported LOD Limit of Detection LOQ Limit of Quantification <LOQ Detected AUQ Detected >ULQL Above upper limit of linearity >ULQL Above upper limit of linearity CFU/Q colony forming Units per 1 gram TNTC Too Numerous to Count



Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Mon, 26 Feb 2024 08:55:21 -0800



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TRY - Tryptamine Analysis Analyzed Feb 23, 2024 | Instrument HPLC VWD | Method SOP-TRY The expanded Uncertainty of the analysis is approximately ±7.806% at the 95% Confidence Level

····						
Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving	Result mg/Unit
Norbaeocystin (NORB)	0.01	0.029	ND	ND	ND	ND
Baeocystin (BAEO)	0.01	0.029	ND	ND	ND	ND
Aeruginascin (AERU)	0.007	0.022	ND	ND	ND	ND
Norpsilocin (NORP)	0.003	0.009	ND	ND	ND	ND

PSY - Psilocybin & Psilocin Analysis Analyzed Feb 23, 2024 | Instrument HPLC VWD | Method SOP-PSY The expanded Uncertainty of the analysis is approximately ±7.806% at the 95% Confidence Level

Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving	Result mg/Unit
Psilocybin (PSCY)	0.007	0.019	ND	ND	ND	ND
Psilocin (PSCI)	0.003	0.009	ND	ND	ND	ND

# HME - Heavy Metals Analysis

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Arsenic (As)	0.0009	0.0027	0.00	1.5
Cadmium (Cd)	0.0005	0.0015	0.00	0.5
Mercury (Hg)	0.0058	0.0174	ND	3
Lead (Pb)	0.0006	0.0018	ND	0.5
Nickel (Ni)	6.0e-05	0.0002	NT	

# MIBNIG - Microbial Analysis

Analyzed Feb 23, 2024   Instrument Plating   Method	SOP-007					
Analyte	LOD LOQ	Result CFU/g	Limit Analyte	LOD LOQ	Result CFU/g	Limit
Shiga toxin-producing Escherichia Coli		ND	ND per 1 gram Salmonella spp.		ND	ND per 1 gram

# MTO - Mycotoxin Analysis Analyzed Feb 25, 2024 | Instrument LC/MSMS | Method SOP-004

Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg	Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg
Ochratoxin A	5.0	20.0	ND	20	Aflatoxin B1	2.5	5.0	ND	-
Aflatoxin B2	2.5	5.0	ND	-	Aflatoxin G1	2.5	5.0	ND	-
Aflatoxin G2	2.5	5.0	ND		Total Aflatoxins	10.0	20.0	ND	20



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Brandon Starr

Brandon Starr, Lab Manager Mon, 26 Feb 2024 08:55:21 -0800



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## SD240221-070 page 3 of 3

PES - Pesticides Analysis Analyzed Feb 25, 2024 | Instrument LC/MSMS GC/MSMS | Method SOP-003

## **QA** Testing

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Aldicarb	0.0078	0.02	ND	0.0078	Carbofuran	0.01	0.02	ND	0.01
Dimethoate	0.01	0.02	ND	0.01	Etofenprox	0.02	0.1	ND	0.02
Fenoxycarb	0.01	0.02	ND	0.01	Thiachloprid	0.01	0.02	ND	0.01
Daminozide	0.01	0.03	ND	0.01	Dichlorvos	0.02	0.07	ND	0.02
Imazalil	0.02	0.07	ND	0.02	Methiocarb	0.01	0.02	ND	0.01
Spiroxamine	0.01	0.02	ND	0.01	Coumaphos	0.01	0.02	ND	0.01
Fipronil	0.01	0.1	ND	0.01	Paclobutrazol	0.01	0.03	ND	0.01
Chlorpyrifos	0.01	0.04	ND	0.01	Ethoprophos (Prophos)	0.01	0.02	ND	0.01
Baygon (Propoxur)	0.01	0.02	ND	0.01	Chlordane	0.04	0.1	ND	0.04
Chlorfenapyr	0.03	0.1	ND	0.03	Methyl Parathion	0.02	0.1	ND	0.02
Mevinphos	0.03	0.08	ND	0.03	Abamectin	0.03	0.08	ND	0.3
Acephate	0.02	0.05	ND	5	Acetamiprid	0.01	0.05	ND	5
Azoxystrobin	0.01	0.02	ND	40	Bifenazate	0.01	0.05	ND	5
Bifenthrin	0.02	0.35	ND	0.5	Boscalid	0.01	0.03	ND	10
Carbaryl	0.01	0.02	ND	0.5	Chlorantraniliprole	0.01	0.04	ND	40
Clofentezine	0.01	0.03	ND	0.5	Diazinon	0.01	0.02	ND	0.2
Dimethomorph	0.02	0.06	ND	20	Etoxazole	0.01	0.05	ND	1.5
Fenpyroximate	0.02	0.1	ND	2	Flonicamid	0.01	0.02	ND	2
Fludioxonil	0.01	0.05	ND	30	Hexythiazox	0.01	0.03	ND	2
Imidacloprid	0.01	0.05	ND	3	Kresoxim-methyl	0.01	0.03	ND	1
Malathion	0.01	0.05	ND	5	Metalaxyl	0.01	0.02	ND	15
Methomyl	0.02	0.05	ND	0.1	Myclobutanil	0.02	0.07	ND	9
Naled	0.01	0.02	ND	0.5	Oxamyl	0.01	0.02	ND	0.2
Permethrin	0.01	0.02	ND	20	Phosmet	0.01	0.02	ND	0.2
Piperonyl Butoxide	0.02	0.06	ND	8	Propiconazole	0.03	0.08	ND	20
Prallethrin	0.02	0.05	ND	0.4	Pyrethrin	0.05	0.41	ND	1
Pyridaben	0.02	0.07	ND	3	Spinosad A	0.01	0.05	ND	3
Spinosad D	0.01	0.05	ND	3	Spiromesifen	0.02	0.06	ND	12
Spirotetramat	0.01	0.02	ND	13	Tebuconazole	0.01	0.02	ND	2
Thiamethoxam	0.01	0.02	ND	4.5	Trifloxystrobin	0.01	0.02	ND	30
Acequinocyl	0.02	0.09	ND	4	Captan	0.01	0.02	ND	5
Cypermethrin	0.02	0.1	ND	1	Cyfluthrin	0.04	0.1	ND	1
Fenhexamid	0.02	0.07	ND	10	Spinetoram J,L	0.02	0.07	ND	3
Pentachloronitrobenzene	0.01	0.1	ND	0.2					

## **RES - Residual Solvents Analysis**

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Propane (Prop)	0.4	40.0	ND		Butane (But)	0.4	40.0	ND	
Methanol (Metha)	0.4	40.0	ND		Ethylene Oxide (EthOx)	0.4	0.8	ND	
Pentane (Pen)	0.4	40.0	ND		Ethanol (Ethan)	0.4	40.0	ND	
Ethyl Ether (EthEt)	0.4	40.0	ND		Acetone (Acet)	0.4	40.0	ND	
Isopropanol (2-Pro)	0.4	40.0	ND		Acetonitrile (Acetonit)	0.4	40.0	ND	
Methylene Chloride (MetCh)	0.4	0.8	ND		Hexane (Hex)	0.4	40.0	ND	
Ethyl Acetate (EthAc)	0.4	40.0	ND		Chloroform (Clo)	0.4	0.8	ND	
Benzene (Ben)	0.4	0.8	ND		1-2-Dichloroethane (12-Dich)	0.4	0.8	ND	
Heptane (Hep)	0.4	40.0	ND		Trichloroethylene (TriClEth)	0.4	0.8	ND	
Toluene (Toluene)	0.4	40.0	ND		Xulenes (Xul)	0.4	40.0	ND	

UI Unidentified ND Not Detected NA Not Applicable NT Not Reported LOD Limit of Detection LOQ Limit of Otentification <LOQ Detected NUCU. Above upper limit of linearity CFU/g Colony forming Units per 1 gram TNTC Too Numerous to Count



Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Mon, 26 Feb 2024 08:55:21 -0800



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## SD240221-072 page 1 of 3

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## Sample Cosmic Conez S'Mores

Sample ID SD240221-072 (91384) Matrix Edible (Other Cannabis Good)							
Tested for Fresh Farms E-Liquid LLC							
Sampled -	Received Feb 21, 2024	Reported Feb 26,	Reported Feb 26, 2024				
Analyses executed CANX, RES,	, MIBNIG, MTO, PES, HME, 4AD, AMU, TRY, PSY	Unit Mass (g) 263.584	Num. of Servings 10	Serving Size (g) 26.36			

CANX - Cannabinoids Analysis Analyzed Feb 23, 2024 | Instrument HPLC-VWD | Method SOP-001 The expanded Uncertainty of the Cannabinoid analysis is approximately **3**.806% at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Result mg/Serving	Result mg/Unit	Sample photography
11-Hydroxy-∆8-Tetrahydrocannabivarin (11-Hyd-∆8-THCV)	0.013	0.041	ND	ND	ND	ND	
Cannabidiorcin (CBDO)	0.002	0.007	ND	ND	ND	ND	
Abnormal Cannabidiorcin (a-CBDO)	0.01	0.031	ND	ND	ND	ND	
(+/-)-9B-hydroxy-Hexahydrocannibinol (9b-HHC)	0.012	0.036	ND	ND	ND	ND	
11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC)	0.007	0.021	ND	ND	ND	ND	
Cannabidiolic Acid (CBDA)	0.001	0.16	ND	ND	ND	ND	
Cannabigerol Acid (CBGA)	0.001	0.16	ND	ND	ND	ND	
Cannabigerol (CBG)	0.001	0.16	ND	ND	ND	ND	COOLICE
Cannabidiol (CBD)	0.001	0.16	0.03	0.32	8.44	84.35	
1(S)-THD (s-THD)	0.013	0.041	ND	ND	ND	ND	Junking
1(R)-THD (r-THD)	0.025	0.075	ND	ND	ND	ND	
Tetrahydrocannabivarin (THCV)	0.001	0.16	ND	ND	ND	ND	
Δ8-tetrahydrocannabivarin (Δ8-THCV)	0.021	0.064	ND	ND	ND	ND	
Cannabidihexol (CBDH)	0.005	0.16	ND	ND	ND	ND	
Tetrahydrocannabutol (Δ9-THCB)	0.013	0.038	ND	ND	ND	ND	
Cannabinol (CBN)	0.001	0.16	ND	ND	ND	ND	
Cannabidiphorol (CBDP)	0.015	0.047	ND	ND	ND	ND	
exo-THC (exo-THC)	0.005	0.16	ND	ND	ND	ND	
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	0.19	1.87	49.29	492.90	
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	0.00	0.02	0.53	5.27	
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.16	ND	ND	ND	ND	
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	ND	ND	ND	ND	
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	ND	ND	ND	ND	
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	ND	ND	ND	ND	
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND	ND	ND	
Δ9-Tetrahydrocannabihexol (Δ9-THCH)	0.024	0.071	ND	ND	ND	ND	
Cannabinol Acetate (CBNO)	0.014	0.043	ND	ND	ND	ND	
Δ9-Tetrahydrocannabiphorol (Δ9-THCP)	0.017	0.16	ND	ND	ND	ND	
$\Delta$ 8-Tetrahydrocannabiphorol ( $\Delta$ 8-THCP)	0.041	0.16	ND	ND	ND	ND	
Cannabicitran (CBT)	0.005	0.16	ND	ND	ND	ND	
Δ8-THC-O-acetate (Δ8-THCO)	0.076	0.16	ND	ND	ND	ND	
9(S)-HHCP (s-HHCP)	0.031	0.094	ND	ND	ND	ND	
Δ9-THC-O-acetate (Δ9-THCO)	0.066	0.16	ND	ND	ND	ND	
9(R)-HHCP (r-HHCP)	0.026	0.079	ND	ND	ND	ND	
9(S)-HHC-O-acetate (s-HHCO)	0.005	0.16	ND	ND	ND	ND	
9(R)-HHC-O-acetate (r-HHCO)	0.008	0.025	ND	ND	ND	ND	
3-octyl- $\Delta$ 8-Tetrahydrocannabinol ( $\Delta$ 8-THC-C8)	0.067	0.204	ND	ND	ND	ND	
Δ9-THC methyl ether (Δ9-MeO-THC)			ND	ND	ND	ND	
Total THC ( THCa * 0.877 + Δ9THC )			0.19	1.87	49.29	492.90	
Total THC + $\Delta$ 8THC + $\Delta$ 10THC (THCa * 0.877 + $\Delta$ 9THC + $\Delta$ 8THC + $\Delta$ 10THC )			0.19	1.89	49.82	498.17	
Total CBD (CBDa * 0.877 + CBD)			0.03	0.32	8.44	84.35	
Total CBG ( CBGa * 0.877 + CBG )			ND	ND	ND	ND	
Total HHC ( 9r-HHC + 9s-HHC )			ND	ND	ND	ND	
Total Cannabinoids Analyzed			0.22	2.21	58.26	582.52	

# 4AD - 4A-Dimethyltryptamine Analysis Analyzed Feb 23, 2024 | Instrument HPLC VWD | Method SOP-4AD The expanded Uncertainty of the analysis is approximately ±7.806% at the 95% Confidence Level

Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving	Result mg/Unit
Psilacetin (PSLA)	0.015	0.044	ND	ND	ND	ND
4-Hydroxy-DET (4HDE)	0.014	0.042	ND	ND	ND	ND
4-Acetoxy-DET (4ADE)	0.004	0.011	ND	ND	ND	ND
Total Analyzed	-	-	0.00	0.00	0.00	0.00

# AMU - Amanita Muscaria Analysis Analyzed Feb 25, 2024 | Instrument HPLC VWD | Method SOP-AMU The expanded Uncertainty of the analysis is approximately ±7.806%

+7 906% at the 95% Confidence Love

The expanded oncertaining of the dihaligs is deproximately ±1.000 % of the 55% complete Level										
Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving	Result mg/Unit				
Ibotenic Acid (IBOa)	1.025	3.105	ND	ND	ND	ND				
Muscimol (MUOL)	0.19	0.576	ND	ND	ND	ND				

UI Unidentified ND Not Detected NA Not Applicable NT Not Reported LOD Limit of Detection LOQ Limit of Quantification <LOQ Detected AUQ Detected >ULQL Above upper limit of linearity >ULQL Above upper limit of linearity CFU/Q colony forming Units per 1 gram TNTC Too Numerous to Count



Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Mon, 26 Feb 2024 08:55:17 -0800



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TRY - Tryptamine Analysis Analyzed Feb 23, 2024 | Instrument HPLC VWD | Method SOP-TRY The expanded Uncertainty of the analysis is approximately ±7.806% at the 95% Confidence Level

Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving	Result mg/Unit
Norbaeocystin (NORB)	0.01	0.029	ND	ND	ND	ND
Baeocystin (BAEO)	0.01	0.029	ND	ND	ND	ND
Aeruginascin (AERU)	0.007	0.022	ND	ND	ND	ND
Norpsilocin (NORP)	0.003	0.009	ND	ND	ND	ND

PSY - Psilocybin & Psilocin Analysis Analyzed Feb 23, 2024 | Instrument HPLC VWD | Method SOP-PSY The expanded Uncertainty of the analysis is approximately ±7.806% at the 95% Confidence Level

Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving	Result mg/Unit
Psilocybin (PSCY)	0.007	0.019	ND	ND	ND	ND
Psilocin (PSCI)	0.003	0.009	ND	ND	ND	ND

# HME - Heavy Metals Analysis

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Arsenic (As)	0.0009	0.0027	0.00	1.5
Cadmium (Cd)	0.0005	0.0015	0.01	0.5
Mercury (Hg)	0.0058	0.0174	ND	3
Lead (Pb)	0.0006	0.0018	ND	0.5
Nickel (Ni)	6.0e-05	0.0002	NT	

## MIBNIG - Microbial Analysis

Analyzed reb 25, 2024   Instrument Plating   Meth	Analyzed Feb 23, 2024   Instrument Fidding   Method SOF-007											
Analyte	LOD LOQ	Result CFU/g	Limit Analyte	LOD LOQ	Result CFU/g	Limit						
Shiga toxin-producing Escherichia Coli		ND	ND per 1 gram Salmonella spp.		ND	ND per 1 gram						

## MTO - Mycotoxin Analysis Method SOP-004

Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg	Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg
Ochratoxin A	5.0	20.0	ND	20	Aflatoxin B1	2.5	5.0	ND	-
Aflatoxin B2	2.5	5.0	ND	-	Aflatoxin G1	2.5	5.0	ND	-
Aflatoxin G2	2.5	5.0	ND	-	Total Aflatoxins	10.0	20.0	ND	20



Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Mon, 26 Feb 2024 08:55:17 -0800



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## SD240221-072 page 3 of 3

PES - Pesticides Analysis Analyzed Feb 25, 2024 | Instrument LC/MSMS GC/MSMS | Method SOP-003

## **QA** Testing

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Aldicarb	0.0078	0.02	ND	0.0078	Carbofuran	0.01	0.02	ND	0.01
Dimethoate	0.01	0.02	ND	0.01	Etofenprox	0.02	0.1	ND	0.02
Fenoxycarb	0.01	0.02	ND	0.01	Thiachloprid	0.01	0.02	ND	0.01
Daminozide	0.01	0.03	ND	0.01	Dichlorvos	0.02	0.07	ND	0.02
Imazalil	0.02	0.07	ND	0.02	Methiocarb	0.01	0.02	ND	0.01
Spiroxamine	0.01	0.02	ND	0.01	Coumaphos	0.01	0.02	ND	0.01
Fipronil	0.01	0.1	ND	0.01	Paclobutrazol	0.01	0.03	ND	0.01
Chlorpyrifos	0.01	0.04	ND	0.01	Ethoprophos (Prophos)	0.01	0.02	ND	0.01
Baygon (Propoxur)	0.01	0.02	ND	0.01	Chlordane	0.04	0.1	ND	0.04
Chlorfenapyr	0.03	0.1	ND	0.03	Methyl Parathion	0.02	0.1	ND	0.02
Mevinphos	0.03	0.08	ND	0.03	Abamectin	0.03	0.08	ND	0.3
Acephate	0.02	0.05	ND	5	Acetamiprid	0.01	0.05	ND	5
Azoxystrobin	0.01	0.02	ND	40	Bifenazate	0.01	0.05	ND	5
Bifenthrin	0.02	0.35	ND	0.5	Boscalid	0.01	0.03	ND	10
Carbaryl	0.01	0.02	ND	0.5	Chlorantraniliprole	0.01	0.04	ND	40
Clofentezine	0.01	0.03	ND	0.5	Diazinon	0.01	0.02	ND	0.2
Dimethomorph	0.02	0.06	ND	20	Etoxazole	0.01	0.05	ND	1.5
Fenpyroximate	0.02	0.1	ND	2	Flonicamid	0.01	0.02	ND	2
Fludioxonil	0.01	0.05	ND	30	Hexythiazox	0.01	0.03	ND	2
Imidacloprid	0.01	0.05	ND	3	Kresoxim-methyl	0.01	0.03	ND	1
Malathion	0.01	0.05	ND	5	Metalaxyl	0.01	0.02	ND	15
Methomyl	0.02	0.05	ND	0.1	Myclobutanil	0.02	0.07	ND	9
Naled	0.01	0.02	ND	0.5	Oxamyl	0.01	0.02	ND	0.2
Permethrin	0.01	0.02	ND	20	Phosmet	0.01	0.02	ND	0.2
Piperonyl Butoxide	0.02	0.06	ND	8	Propiconazole	0.03	0.08	ND	20
Prallethrin	0.02	0.05	ND	0.4	Pyrethrin	0.05	0.41	ND	1
Pyridaben	0.02	0.07	ND	3	Spinosad A	0.01	0.05	ND	3
Spinosad D	0.01	0.05	ND	3	Spiromesifen	0.02	0.06	ND	12
Spirotetramat	0.01	0.02	ND	13	Tebuconazole	0.01	0.02	ND	2
Thiamethoxam	0.01	0.02	ND	4.5	Trifloxystrobin	0.01	0.02	ND	30
Acequinocyl	0.02	0.09	ND	4	Captan	0.01	0.02	ND	5
Cypermethrin	0.02	0.1	ND	1	Cyfluthrin	0.04	0.1	ND	1
Fenhexamid	0.02	0.07	ND	10	Spinetoram J,L	0.02	0.07	ND	3
Pentachloronitrobenzene	0.01	0.1	ND	0.2					

## **RES - Residual Solvents Analysis**

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Propane (Prop)	0.4	40.0	ND		Butane (But)	0.4	40.0	ND	
Methanol (Metha)	0.4	40.0	ND		Ethylene Oxide (EthOx)	0.4	0.8	ND	
Pentane (Pen)	0.4	40.0	ND		Ethanol (Ethan)	0.4	40.0	ND	
Ethyl Ether (EthEt)	0.4	40.0	ND		Acetone (Acet)	0.4	40.0	ND	
Isopropanol (2-Pro)	0.4	40.0	ND		Acetonitrile (Acetonit)	0.4	40.0	ND	
Methylene Chloride (MetCh)	0.4	0.8	ND		Hexane (Hex)	0.4	40.0	ND	
Ethyl Acetate (EthAc)	0.4	40.0	ND		Chloroform (Clo)	0.4	0.8	ND	
Benzene (Ben)	0.4	0.8	ND		1-2-Dichloroethane (12-Dich)	0.4	0.8	ND	
Heptane (Hep)	0.4	40.0	ND		Trichloroethylene (TriClEth)	0.4	0.8	ND	
Toluene (Toluene)	0.4	40.0	ND		Xulenes (Xul)	0.4	40.0	ND	

UI Unidentified ND Not Detected NA Not Applicable NT Not Reported LOD Limit of Detection LOQ Limit of Quantification <LOQ Detected AUQ Detected >ULQL Above upper limit of linearity >ULQL Above upper limit of linearity CFU/Q colony forming Units per 1 gram TNTC Too Numerous to Count



Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Mon, 26 Feb 2024 08:55:17 -0800



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## SD240221-069 page 1 of 3

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## Sample Cosmic Conez Sugar Cookie

Sample ID SD240221-069 (913	581)	Matrix Edible (Other Cannabis Good)	Matrix Edible (Other Cannabis Good)					
Tested for Fresh Farms E-Liquid LLC								
Sampled -	Received Feb 21, 2024	2024 Reported Feb 26, 2024						
Analyses executed CANX, RE	S, MIBNIG, MTO, PES, HME, 4AD, AMU, TRY, PSY	Unit Mass (g) 266.633	Num. of Servings 10	Serving Size (g) 26.66				

CANX - Cannabinoids Analysis Analyzed Feb 23, 2024 | Instrument HPLC-VWD | Method SOP-001 The expanded Uncertainty of the Cannabinoid analysis is approximately **3**.806% at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Result mg/Serving	Result mg/Unit	Sample photography
11-Hydroxy-Δ8-Tetrahydrocannabivarin (11-Hyd-Δ8-THCV)	0.013	0.041	ND	ND	ND	ND	
Cannabidiorcin (CBDO)	0.002	0.007	ND	ND	ND	ND	
Abnormal Cannabidiorcin (a-CBDO)	0.01	0.031	ND	ND	ND	ND	
(+/-)-9B-hydroxy-Hexahydrocannibinol (9b-HHC)	0.012	0.036	ND	ND	ND	ND	
11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC)	0.007	0.021	ND	ND	ND	ND	
Cannabidiolic Acid (CBDA)	0.001	0.16	ND	ND	ND	ND	
Cannabigerol Acid (CBGA)	0.001	0.16	ND	ND	ND	ND	
Cannabigerol (CBG)	0.001	0.16	ND	ND	ND	ND	CREMARS
Cannabidiol (CBD)	0.001	0.16	0.03	0.33	8.80	87.99	
1(S)-THD (s-THD)	0.013	0.041	ND	ND	ND	ND	
1(R)-THD (r-THD)	0.025	0.075	ND	ND	ND	ND	
Tetrahydrocannabivarin (THCV)	0.001	0.16	ND	ND	ND	ND	
Δ8-tetrahydrocannabivarin (Δ8-THCV)	0.021	0.064	ND	ND	ND	ND	
Cannabidihexol (CBDH)	0.005	0.16	ND	ND	ND	ND	
Tetrahydrocannabutol (Δ9-THCB)	0.013	0.038	ND	ND	ND	ND	
Cannabinol (CBN)	0.001	0.16	ND	ND	ND	ND	
Cannabidiphorol (CBDP)	0.015	0.047	ND	ND	ND	ND	
exo-THC (exo-THC)	0.005	0.16	ND	ND	ND	ND	
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	0.19	1.87	49.85	498.60	
$\Delta 8$ -tetrahydrocannabinol ( $\Delta 8$ -THC)	0.004	0.16	0.00	0.02	0.53	5.33	
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.16	ND	ND	ND	ND	
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	ND	ND	ND	ND	
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	ND	ND	ND	ND	
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	ND	ND	ND	ND	
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND	ND	ND	
Δ9-Tetrahydrocannabihexol (Δ9-THCH)	0.024	0.071	ND	ND	ND	ND	
Cannabinol Acetate (CBNO)	0.014	0.043	ND	ND	ND	ND	
Δ9-Tetrahydrocannabiphorol (Δ9-THCP)	0.017	0.16	ND	ND	ND	ND	
Δ8-Tetrahydrocannabiphorol (Δ8-THCP)	0.041	0.16	ND	ND	ND	ND	
Cannabicitran (CBT)	0.005	0.16	ND	ND	ND	ND	
Δ8-THC-O-acetate (Δ8-THCO)	0.076	0.16	ND	ND	ND	ND	
9(S)-HHCP (s-HHCP)	0.031	0.094	ND	ND	ND	ND	
Δ9-THC-O-acetate (Δ9-THCO)	0.066	0.16	ND	ND	ND	ND	
9(R)-HHCP (r-HHCP)	0.026	0.079	ND	ND	ND	ND	
9(S)-HHC-O-acetate (s-HHCO)	0.005	0.16	ND	ND	ND	ND	
9(R)-HHC-O-acetate (r-HHCO)	0.008	0.025	ND	ND	ND	ND	
3-octyl-∆8-Tetrahydrocannabinol (∆8-THC-C8)	0.067	0.204	ND	ND	ND	ND	
Δ9-THC methyl ether (Δ9-MeO-THC)			ND	ND	ND	ND	
Total THC ( THCa * 0.877 + Δ9THC )			0.19	1.87	49.85	498.60	
Total THC + $\Delta$ 8THC + $\Delta$ 10THC ( THCa * 0.877 + $\Delta$ 9THC + $\Delta$ 8THC + $\Delta$ 10THC )			0.19	1.89	50.39	503.94	
Total CBD ( CBDa * 0.877 + CBD )			0.03	0.33	8.80	87.99	
Total CBG ( CBGa * 0.877 + CBG )			ND	ND	ND	ND	
Total HHC ( 9r-HHC + 9s-HHC )			ND	ND	ND	ND	
Total Cannabinoids Analyzed			0.22	2.22	59.19	591.93	

# 4AD - 4A-Dimethyltryptamine Analysis Analyzed Feb 23, 2024 | Instrument HPLC VWD | Method SOP-4AD The expanded Uncertainty of the analysis is approximately ±7.806% at the 95% Confidence Level

Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving	Result mg/Unit
Psilacetin (PSLA)	0.015	0.044	ND	ND	ND	ND
4-Hydroxy-DET (4HDE)	0.014	0.042	ND	ND	ND	ND
4-Acetoxy-DET (4ADE)	0.004	0.011	ND	ND	ND	ND
Total Analyzed	-	-	0.00	0.00	0.00	0.00

AMU - Amanita Muscaria Analysis Analyzed Feb 25, 2024 | Instrument HPLC VWD | Method SOP-AMU The expanded Uncertainty of the analysis is approximately ±7.806% at the 95% Confidence Level

The expended order taining of the analysis is approximately 27,000% of the 20% of the 20\% of the 20\% of the 20\% of the 20										
Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving	Result mg/Unit				
Ibotenic Acid (IBOa)	1.025	3.105	ND	ND	ND	ND				
Muscimol (MUOL)	0.19	0.576	ND	ND	ND	ND				

UI Unidentified ND Not Detected NA Not Applicable NT Not Reported LOD Limit of Detection LOQ Limit of Quantification <LOQ Detected AUQ Detected >ULQL Above upper limit of linearity >ULQL Above upper limit of linearity CFU/Q colony forming Units per 1 gram TNTC Too Numerous to Count



Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Mon, 26 Feb 2024 08:55:24 -0800

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TRY - Tryptamine Analysis Analyzed Feb 23, 2024 | Instrument HPLC VWD | Method SOP-TRY The expanded Uncertainty of the analysis is approximately ±7.806% at the 95% Confidence Level

Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving	Result mg/Unit
Norbaeocystin (NORB)	0.01	0.029	ND	ND	ND	ND
Baeocystin (BAEO)	0.01	0.029	ND	ND	ND	ND
Aeruginascin (AERU)	0.007	0.022	ND	ND	ND	ND
Norpsilocin (NORP)	0.003	0.009	ND	ND	ND	ND

PSY - Psilocybin & Psilocin Analysis Analyzed Feb 23, 2024 | Instrument HPLC VWD | Method SOP-PSY The expanded Uncertainty of the analysis is approximately ±7.806% at the 95% Confidence Level

Result mg/Unit	Result mg/Serving	Result mg/g	Result %	LOQ ppm	LOD ppm	Analyte
ND	ND	ND	ND	0.019	0.007	Psilocybin (PSCY)
ND	ND	ND	ND	0.009	0.003	Psilocin (PSCI)
_	ND	ND	ND	0.009	0.003	Psilocin (PSCI)

# HME - Heavy Metals Analysis

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Arsenic (As)	0.0009	0.0027	ND	1.5
Cadmium (Cd)	0.0005	0.0015	0.00	0.5
Mercury (Hg)	0.0058	0.0174	ND	3
Lead (Pb)	0.0006	0.0018	ND	0.5
vickel (Ni)	6.0e-05	0.0002	NT	

# MIBNIG - Microbial Analysis

Analyzed Feb 25, 2024   Instrument Plating   Metho	d SOP-007					
Analyte	LOD LOQ	Result CFU/g	Limit Analyte	LOD LOQ	Result CFU/g	Limit
Shiga toxin-producing Escherichia Coli		ND	ND per 1 gram Salmonella spp.		ND	ND per 1 gram

# MTO - Mycotoxin Analysis Analyzed Feb 25, 2024 | Instrument LC/MSMS | Method SOP-004

Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg	Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg
Ochratoxin A	5.0	20.0	ND	20	Aflatoxin B1	2.5	5.0	ND	-
Aflatoxin B2	2.5	5.0	ND	-	Aflatoxin G1	2.5	5.0	ND	-
Aflatoxin G2	2.5	5.0	ND		Total Aflatoxins	10.0	20.0	ND	20





Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Mon, 26 Feb 2024 08:55:24 -0800



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## SD240221-069 page 3 of 3

PES - Pesticides Analysis Analyzed Feb 25, 2024 | Instrument LC/MSMS GC/MSMS | Method SOP-003

## **QA** Testing

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Aldicarb	0.0078	0.02	ND	0.0078	Carbofuran	0.01	0.02	ND	0.01
Dimethoate	0.01	0.02	ND	0.01	Etofenprox	0.02	0.1	ND	0.02
Fenoxycarb	0.01	0.02	ND	0.01	Thiachloprid	0.01	0.02	ND	0.01
Daminozide	0.01	0.03	ND	0.01	Dichlorvos	0.02	0.07	ND	0.02
Imazalil	0.02	0.07	ND	0.02	Methiocarb	0.01	0.02	ND	0.01
Spiroxamine	0.01	0.02	ND	0.01	Coumaphos	0.01	0.02	ND	0.01
Fipronil	0.01	0.1	ND	0.01	Paclobutrazol	0.01	0.03	ND	0.01
Chlorpyrifos	0.01	0.04	ND	0.01	Ethoprophos (Prophos)	0.01	0.02	ND	0.01
Baygon (Propoxur)	0.01	0.02	ND	0.01	Chlordane	0.04	0.1	ND	0.04
Chlorfenapyr	0.03	0.1	ND	0.03	Methyl Parathion	0.02	0.1	ND	0.02
Mevinphos	0.03	0.08	ND	0.03	Abamectin	0.03	0.08	ND	0.3
Acephate	0.02	0.05	ND	5	Acetamiprid	0.01	0.05	ND	5
Azoxystrobin	0.01	0.02	ND	40	Bifenazate	0.01	0.05	ND	5
Bifenthrin	0.02	0.35	ND	0.5	Boscalid	0.01	0.03	ND	10
Carbaryl	0.01	0.02	ND	0.5	Chlorantraniliprole	0.01	0.04	ND	40
Clofentezine	0.01	0.03	ND	0.5	Diazinon	0.01	0.02	ND	0.2
Dimethomorph	0.02	0.06	ND	20	Etoxazole	0.01	0.05	ND	1.5
Fenpyroximate	0.02	0.1	ND	2	Flonicamid	0.01	0.02	ND	2
Fludioxonil	0.01	0.05	ND	30	Hexythiazox	0.01	0.03	ND	2
Imidacloprid	0.01	0.05	ND	3	Kresoxim-methyl	0.01	0.03	ND	1
Malathion	0.01	0.05	ND	5	Metalaxyl	0.01	0.02	ND	15
Methomyl	0.02	0.05	ND	0.1	Myclobutanil	0.02	0.07	ND	9
Naled	0.01	0.02	ND	0.5	Oxamyl	0.01	0.02	ND	0.2
Permethrin	0.01	0.02	ND	20	Phosmet	0.01	0.02	ND	0.2
Piperonyl Butoxide	0.02	0.06	ND	8	Propiconazole	0.03	0.08	ND	20
Prallethrin	0.02	0.05	ND	0.4	Pyrethrin	0.05	0.41	ND	1
Pyridaben	0.02	0.07	ND	3	Spinosad A	0.01	0.05	ND	3
Spinosad D	0.01	0.05	ND	3	Spiromesifen	0.02	0.06	ND	12
Spirotetramat	0.01	0.02	ND	13	Tebuconazole	0.01	0.02	ND	2
Thiamethoxam	0.01	0.02	ND	4.5	Trifloxystrobin	0.01	0.02	ND	30
Acequinocyl	0.02	0.09	ND	4	Captan	0.01	0.02	ND	5
Cypermethrin	0.02	0.1	ND	1	Cyfluthrin	0.04	0.1	ND	1
Fenhexamid	0.02	0.07	ND	10	Spinetoram J,L	0.02	0.07	ND	3
Pentachloronitrobenzene	0.01	0.1	ND	0.2					

## **RES - Residual Solvents Analysis**

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Propane (Prop)	0.4	40.0	ND		Butane (But)	0.4	40.0	ND	
Methanol (Metha)	0.4	40.0	ND		Ethylene Oxide (EthOx)	0.4	0.8	ND	
Pentane (Pen)	0.4	40.0	ND		Ethanol (Ethan)	0.4	40.0	ND	
Ethyl Ether (EthEt)	0.4	40.0	ND		Acetone (Acet)	0.4	40.0	ND	
Isopropanol (2-Pro)	0.4	40.0	ND		Acetonitrile (Acetonit)	0.4	40.0	ND	
Methylene Chloride (MetCh)	0.4	0.8	ND		Hexane (Hex)	0.4	40.0	ND	
Ethyl Acetate (EthAc)	0.4	40.0	ND		Chloroform (Clo)	0.4	0.8	ND	
Benzene (Ben)	0.4	0.8	ND		1-2-Dichloroethane (12-Dich)	0.4	0.8	ND	
Heptane (Hep)	0.4	40.0	ND		Trichloroethylene (TriClEth)	0.4	0.8	ND	
Toluene (Toluene)	0.4	40.0	ND		Xulenes (Xul)	0.4	40.0	ND	

UI Unidentified ND Not Detected NA Not Applicable NT Not Reported LOD Limit of Detection LOQ Limit of Quantification <LOQ Detected AUQ Detected >ULQL Above upper limit of linearity >ULQL Above upper limit of linearity CFU/Q colony forming Units per 1 gram TNTC Too Numerous to Count



Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Mon, 26 Feb 2024 08:55:24 -0800



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