

Prepared for:
Sugar & Kush

Sugar and Kush CBD Gummy Bears

Batch ID or Lot Number: B#080822	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 4
Reported: 22Aug2022	Started: 19Aug2022	Received: 19Aug2022	


Pesticides


Test ID: T000218489

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	211 - 2402	ND		Malathion	289 - 2678	ND
Acephate	44 - 2825	ND		Metalaxyl	48 - 2733	ND
Acetamiprid	40 - 2834	ND		Methiocarb	38 - 2876	ND
Azoxystrobin	44 - 2734	ND		Methomyl	44 - 2861	ND
Bifenazate	46 - 2699	ND		MGK 264 1	164 - 1614	ND
Boscalid	41 - 2872	ND		MGK 264 2	127 - 1114	ND
Carbaryl	46 - 2778	ND		Myclobutanil	47 - 2804	ND
Carbofuran	43 - 2775	ND		Naled	44 - 2740	ND
Chlorantraniliprole	52 - 2715	ND		Oxamyl	40 - 2860	ND
Chlorpyrifos	55 - 2792	ND		Paclobutrazol	58 - 2755	ND
Clofentezine	281 - 2867	ND		Permethrin	311 - 2695	ND
Diazinon	282 - 2760	ND		Phosmet	49 - 2734	ND
Dichlorvos	293 - 2813	ND		Prophos	310 - 3096	ND
Dimethoate	40 - 2844	ND		Propoxur	40 - 2766	ND
E-Fenpyroximate	307 - 2703	ND		Pyridaben	263 - 2773	ND
Etofenprox	38 - 2759	ND		Spinosad A	35 - 2329	ND
Etoxazole	243 - 2748	ND		Spinosad D	63 - 515	ND
Fenoxycarb	49 - 2726	ND		Spiromesifen	289 - 2754	ND
Fipronil	75 - 2415	ND		Spirotetramat	274 - 2704	ND
Flonicamid	55 - 2769	ND		Spiroxamine 1	15 - 1211	ND
Fludioxonil	330 - 2708	ND		Spiroxamine 2	19 - 1617	ND
Hexythiazox	46 - 2767	ND		Tebuconazole	326 - 2587	ND
Imazalil	273 - 2754	ND		Thiacloprid	38 - 2856	ND
Imidacloprid	45 - 2761	ND		Thiamethoxam	45 - 2840	ND
Kresoxim-methyl	52 - 2774	ND		Trifloxystrobin	42 - 2793	ND

Final Approval


Daniel Weidensaul
22Aug2022
12:09:00 PM MDT
PREPARED BY / DATE


Sam Smith
22Aug2022
12:17:00 PM MDT
APPROVED BY / DATE

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Sugar and Kush CBD Gummy Bears

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Residual Solvents

Test ID: T000218491
Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	65 - 1305	ND	
Butanes (Isobutane, n-Butane)	136 - 2720	ND	
Methanol	43 - 851	ND	
Pentane	70 - 1406	ND	
Ethanol	67 - 1335	ND	
Acetone	71 - 1421	ND	
Isopropyl Alcohol	71 - 1422	ND	
Hexane	4 - 84	ND	
Ethyl Acetate	70 - 1400	ND	
Benzene	0.1 - 2.9	ND	
Heptanes	73 - 1452	ND	
Toluene	12 - 246	ND	
Xylenes (m,p,o-Xylenes)	90 - 1793	ND	

Final Approval


 Jacob Miller
 22Aug2022
 03:29:00 PM MDT
 PREPARED BY / DATE


 Sam Smith
 22Aug2022
 03:34:00 PM MDT
 APPROVED BY / DATE

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Sugar and Kush CBD Gummy Bears

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Cannabinoids

Test ID: T000218488


Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.120	0.363	ND	ND	# of Servings = 1, Sample Weight=1.479g
Cannabichromenic Acid (CBCA)	0.110	0.332	ND	ND	
Cannabidiol (CBD)	0.259	0.907	24.760	16.70	
Cannabidiolic Acid (CBDA)	0.266	0.930	ND	ND	
Cannabidivarin (CBDV)	0.061	0.214	0.060	0.00	
Cannabidivarinic Acid (CBDVA)	0.111	0.388	ND	ND	
Cannabigerol (CBG)	0.068	0.206	ND	ND	
Cannabigerolic Acid (CBGA)	0.286	0.861	ND	ND	
Cannabinol (CBN)	0.089	0.269	ND	ND	
Cannabinolic Acid (CBNA)	0.195	0.588	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.341	1.026	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.309	0.932	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.274	0.826	ND	ND	
Tetrahydrocannabivarin (THCV)	0.062	0.187	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.242	0.728	ND	ND	
Total Cannabinoids			24.820	16.79	
Total Potential THC			ND	ND	
Total Potential CBD			24.760	16.75	

Final Approval

 Sam Smith
24Aug2022
03:32:00 PM MDT

PREPARED BY / DATE

 Daniel Weidensaul
24Aug2022
03:34:00 PM MDT

APPROVED BY / DATE


Heavy Metals

Test ID: T000218490


Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.47	ND	
Cadmium	0.04 - 4.37	ND	
Mercury	0.04 - 4.44	ND	
Lead	0.04 - 4.48	ND	

Final Approval

 Daniel Weidensaul
24Aug2022
04:48:00 PM MDT

PREPARED BY / DATE

 Courtney Richards
24Aug2022
05:54:00 PM MDT

APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/4e8fe978-1eb9-4df1-b7fa-0e1ede355b1b>

Definitions
LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC 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)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. 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.

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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 SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



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