

Prepared for:  
**BLUEBIRD BOTANICALS**  
PO BOX 271724  
Louisville, CO USA 80027

## SLPGUM-30


Batch ID or Lot Number: <b>240306-55305</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 4
Reported: <b>26Mar2024</b>	Started: 25Mar2024	Received: 25Mar2024	


## Residual Solvents - Colorado Compliance

Test ID: T000274796  
Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	104 - 2080	ND	
Butanes (Isobutane, n-Butane)	181 - 3628	ND	
Methanol	65 - 1306	ND	
Pentane	85 - 1693	ND	
Ethanol	96 - 1919	ND	
Acetone	103 - 2067	ND	
Isopropyl Alcohol	107 - 2144	ND	
Hexane	6 - 127	ND	
Ethyl Acetate	105 - 2094	ND	
Benzene	0.2 - 4.2	ND	
Heptanes	96 - 1927	ND	
Toluene	19 - 377	ND	
Xylenes (m,p,o-Xylenes)	134 - 2674	ND	

### Final Approval

  
Karen Winternheimer  
26Mar2024  
02:40:00 PM MDT  
PREPARED BY / DATE

  
Phillip Travisano  
26Mar2024  
02:41:00 PM MDT  
APPROVED BY / DATE

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## Mycotoxins - Colorado Compliance

Test ID: T000274797  
Methods: TM18 (UHPLC-QQQ)  
LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.43 - 134.37	ND	N/A
Aflatoxin B1	0.93 - 33.94	ND	
Aflatoxin B2	0.99 - 33.81	ND	
Aflatoxin G1	0.96 - 33.55	ND	
Aflatoxin G2	0.93 - 34.10	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

### Final Approval

  
Karen Winternheimer  
28Mar2024  
08:48:00 AM MDT  
PREPARED BY / DATE


  
Phillip Travisano  
28Mar2024  
08:49:00 AM MDT  
APPROVED BY / DATE


## Heavy Metals - Colorado Compliance

Test ID: T000274795  
Methods: TM19 (ICP-MS): Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.64	ND	
Cadmium	0.04 - 4.40	ND	
Mercury	0.04 - 4.42	ND	
Lead	0.04 - 4.38	ND	

### Final Approval

  
Phillip Travisano  
28Mar2024  
03:29:00 PM MDT  
PREPARED BY / DATE

  
Colin Hendrickson  
28Mar2024  
05:35:00 PM MDT  
APPROVED BY / DATE

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## Pesticides

Test ID: T000274793

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	353 - 2766	ND		Malathion	287 - 2690	ND
Acephate	40 - 2715	ND		Metalaxyl	45 - 2665	ND
Acetamiprid	42 - 2686	ND		Methiocarb	41 - 2782	ND
Azoxystrobin	43 - 2696	ND		Methomyl	41 - 2736	ND
Bifenazate	40 - 2677	ND		MGK 264 1	157 - 1604	ND
Boscalid	50 - 2724	ND		MGK 264 2	104 - 1096	ND
Carbaryl	40 - 2687	ND		Myclobutanil	39 - 2780	ND
Carbofuran	42 - 2683	ND		Naled	44 - 2666	ND
Chlorantraniliprole	46 - 2776	ND		Oxamyl	40 - 2750	ND
Chlorpyrifos	44 - 2738	ND		Paclobutrazol	39 - 2687	ND
Clofentezine	281 - 2731	ND		Permethrin	266 - 2762	ND
Diazinon	281 - 2691	ND		Phosmet	41 - 2559	ND
Dichlorvos	270 - 2733	ND		Prophos	288 - 2753	ND
Dimethoate	42 - 2686	ND		Propoxur	43 - 2696	ND
E-Fenpyroximate	261 - 2758	ND		Pyridaben	281 - 2768	ND
Etofenprox	43 - 2727	ND		Spinosad A	34 - 2079	ND
Etoxazole	277 - 2656	ND		Spinosad D	65 - 655	ND
Fenoxycarb	44 - 2705	ND		Spiromesifen	269 - 2727	ND
Fipronil	41 - 2620	ND		Spirotetramat	282 - 2740	ND
Flonicamid	40 - 2793	ND		Spiroxamine 1	15 - 1057	ND
Fludioxonil	255 - 2762	ND		Spiroxamine 2	23 - 1635	ND
Hexythiazox	41 - 2755	ND		Tebuconazole	284 - 2722	ND
Imazalil	282 - 2730	ND		Thiacloprid	41 - 2704	ND
Imidacloprid	48 - 2778	ND		Thiamethoxam	40 - 2730	ND
Kresoxim-methyl	42 - 2735	ND		Trifloxystrobin	42 - 2699	ND

## Final Approval

  
Karen Winternheimer  
29Mar2024  
01:11:00 PM MDT  
PREPARED BY / DATE

  
Phillip Travisano  
29Mar2024  
01:13:00 PM MDT  
APPROVED BY / DATE

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## Microbial Contaminants - Colorado Compliance

Test ID: T000274794  
Methods: TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	None Detected	
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	

## Final Approval



Brett Hudson  
29Mar2024  
11:24:00 AM MDT

PREPARED BY / DATE



Brianne Maillot  
30Mar2024  
07:25:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/235e44d2-5f01-4209-8075-07ea69df6a50>

**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: 10<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. 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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