ACS LABORATORY | BEYOND COMPLIANCE
721 Cortaro Dr.
Sun City Center, FL 33573
www.acslab.com
DEA No. RA0571996
FL License # CMTL-0003

Puff Planet Starburst Blue
Sample Matrix: HEMP
Extract
Inhalation

Certificate of Analysis

Compliance Test

Client Information:
RA Royal
41 enterprise dr
Unit 101
Bunnell, Florida 32110

Manufacturing Facility:
RA Royal
41 enterprise dr
Unit 101
Bunnell, Florida 32110
Production Date: 2025-10-10

Batch Data:
Batch # 252310016
Batch Date: 2025-10-10
Extracted From: Hemp

Order Details:
Test Reg State: Florida

Food Permits:
Food Permit #: 397102

Order #
RAR251204-030001
Order Date: 2025-12-04
Sample # AAHG319

Sampling Date: 2025-12-09
Lab Batch Date: 2025-12-09
Completion Date: 2025-12-19

Initial Gross Weight: 210.600 g

Net Weight per Package:
1000.000 mg
Sampling Method:
MSP 7.3.1

Net Weight per Serving:
20 mg
Servings Per Package:
50

Product Image

Potency Tested
HHCP Passed
Heavy Metals Passed
2 3-Butanedione Passed
Mycotoxins Passed
Pesticides Passed
Residual Solvents Passed
Pathogenic Microbiology Passed
Microbiology (qPCR) Passed
Vitamin E Passed
Filth and Foreign Passed

Potency Summary

Total HHC	**34.0%**	**Delta 9 THC**	**<LOQ**
per Serving	6.80 mg	per Serving	0.00 mg
per Package	340 mg	per Package	0.00 mg
Total Active CBD	**<LOQ**	**Total CBG**	**0.0310%**
per Serving	0.00 mg	per Serving	0.00620 mg
per Package	0.00 mg	per Package	0.310 mg
Total CBN	**0.332%**	**Total Cannabinoids**	**79.1%**
per Serving	0.0664 mg	per Serving	15.8 mg
per Package	3.32 mg	per Package	791 mg
Total Active THC	**<LOQ**	**Total DELTA-8-THC**	**41.6%**
per Serving	0.00 mg	per Serving	8.32 mg
per Package	0.00 mg	per Package	416 mg
Total DELTA9-THCP	**2.54%**	**Total (9R)-HHC**	**23.6%**
per Serving	0.508 mg	per Serving	4.72 mg
per Package	25.4 mg	per Package	236 mg

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)

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Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.867), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87) , CBG Total = (CBGA * 0.878) + CBG, CBN Total = (CBNA * 0.876) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor, (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed – Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed – Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034 The results apply to the sample as received.

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Inhalation

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Production Date: 2025-10-10

Batch Data:
Batch # 252310016
Batch Date: 2025-10-10
Extracted From: Hemp

Order Details:
Test Reg State: Florida

Food Permits:
Food Permit #: 397102

Order #
RAR251204-030001
Order Date: 2025-12-04
Sample # AAHG319

Sampling Date: 2025-12-09
Lab Batch Date: 2025-12-09
Completion Date: 2025-12-19

Initial Gross Weight: 210.600 g

Net Weight per Package:
1000.000 mg
Sampling Method:
MSP 7.3.1

Net Weight per Serving:
20 mg
Servings Per Package:
50

Potency 25 (LCUV)

Specimen Weight: 503.820 mg

Tested

SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)	Per Serving (mg)	Per Package (mg)
Delta-8 THC	50.000	2.600000E-5	0.015	416	41.6	8.32	416
Delta9-THCP	50.000	1.170000E-5	0.012	25.4	2.54	0.508	25.4
CBN	50.000	1.400000E-5	0.015	3.32	0.332	0.0664	3.32
Delta8-THCP	50.000	3.750000E-4	0.015	2.60	0.260	0.0520	2.60
CBT	50.000	2.000000E-4	0.015	1.52	0.152	0.0304	1.52
Delta-8 THCV	50.000	4.000000E-5	0.015	1.48	0.148	0.0296	1.48
THCB	50.000	1.800000E-4	0.0163	0.490	0.0490	0.00980	0.490
CBG	50.000	2.480000E-4	0.015	0.310	0.0310	0.00620	0.310
CBC	50.000	1.800000E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBCA	50.000	1.070000E-4	0.015	<LOQ	<LOQ	0.00	0.00
CBD	50.000	5.400000E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBDA	50.000	1.000000E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBDV	50.000	6.500000E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBDVA	50.000	1.400000E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBGA	50.000	8.000000E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBL	50.000	3.500000E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBNA	50.000	9.500000E-5	0.015	<LOQ	<LOQ	0.00	0.00
Delta-8 THC-O Acetate	50.000	2.700000E-5	0.025	<LOQ	<LOQ	0.00	0.00
Delta-9 THC	50.000	1.300000E-5	0.015	<LOQ	<LOQ	0.00	0.00
Delta-9 THC-O Acetate	50.000	7.700000E-5	0.025	<LOQ	<LOQ	0.00	0.00
Exo-THC	50.000	2.300000E-4	0.015	<LOQ	<LOQ	0.00	0.00
THCA-A	50.000	3.200000E-5	0.015	<LOQ	<LOQ	0.00	0.00
THCH	50.000	3.500000E-4	0.0163	<LOQ	<LOQ	0.00	0.00
THCV	50.000	7.000000E-6	0.015	<LOQ	<LOQ	0.00	0.00
THCVA	50.000	4.700000E-5	0.015	<LOQ	<LOQ	0.00	0.00
Total Active THC	50.000			<LOQ	<LOQ	0.00	0.00
Total Active CBD	50.000			<LOQ	<LOQ	0.00	0.00

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Definitions are found on page 1

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Puff Planet Starburst Blue
Sample Matrix: HEMP
Extract
Inhalation

Certificate of Analysis

Compliance Test

Client Information:
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41 enterprise dr
Unit 101
Bunnell, Florida 32110

Manufacturing Facility:
RA Royal
41 enterprise dr
Unit 101
Bunnell, Florida 32110
Production Date: 2025-10-10

Batch Data:
Batch # 252310016
Batch Date: 2025-10-10
Extracted From: Hemp

Order Details:
Test Reg State: Florida

Food Permits:
Food Permit #: 397102

Order #
RAR251204-030001
Order Date: 2025-12-04
Sample # AAHG319

Sampling Date: 2025-12-09
Lab Batch Date: 2025-12-09
Completion Date: 2025-12-19

Initial Gross Weight: 210.600 g

Net Weight per Package:
1000.000 mg
Sampling Method:
MSP 7.3.1

Net Weight per Serving:
20 mg
Servings Per Package:
50

2,3-butanedione(Diacetyl)

Specimen Weight: 15.000 mg

Passed
SOP13.039 (GCMS-HS)

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
2,3-Butanedione	0.024	0.024	<LOQ

PCR Total Yeast and Mold

Specimen Weight: 498.500 mg

Passed
SOP13.017 (qPCR)

Dilution Factor: 8.000

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Total Yeast/Mold	1000	100000	<LOQ

Filth and Foreign Material

Specimen Weight: N/A **Dilution Factor: 1.000**

Passed
SOP13.020 (Electronic Balance)

Analyte	Action Level (%)	Result (%)	Analyte	Action Level (%)	Result (%)
Covered Area	10	0.00	Weight %	1	0.00
Feces	0.5	0.00			

Pathogenic Microbiology SAE (MicroArray)

Specimen Weight: 1018.800 mg

Passed
SOP13.019 (Micro Array)

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Aspergillus flavus	Absence in 1g	E.Coli	Absence in 1g
Aspergillus fumigatus	Absence in 1g	Salmonella	Absence in 1g
Aspergillus niger	Absence in 1g	STEC E. Coli	Absence in 1g
Aspergillus terreus	Absence in 1g		

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Batch Data:
Batch # 252310016
Batch Date: 2025-10-10
Extracted From: Hemp

Order Details:
Test Reg State: Florida

Food Permits:
Food Permit #: 397102

Order #
RAR251204-030001
Order Date: 2025-12-04
Sample # AAHG319

Sampling Date: 2025-12-09
Lab Batch Date: 2025-12-09
Completion Date: 2025-12-19

Initial Gross Weight: 210.600 g

Net Weight per Package:
1000.000 mg
Sampling Method:
MSP 7.3.1

Net Weight per Serving:
20 mg
Servings Per Package:
50

Vitamin E (Tocopheryl Acetate)

Specimen Weight: 582.600 mg

Passed
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.570

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Tocopheryl Acetate (Vitamin E Acetate)	0.705	500	500	<LOQ

Heavy Metals

Specimen Weight: 247.600 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 201

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.830	100	200	<LOQ	Lead (Pb)	11.760	100	500	<LOQ
Cadmium (Cd)	0.640	100	200	<LOQ	Mercury (Hg)	0.580	100	200	<LOQ

Mycotoxins FL

Specimen Weight: 582.600 mg

Passed
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.570

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	0.304	4.9	20	<LOQ	Aflatoxin G2	0.271	4.9	20	<LOQ
Aflatoxin B2	0.077	4.9	20	<LOQ	Ochratoxin A	0.754	9.8	20	<LOQ
Aflatoxin G1	0.304	4.9	20	<LOQ					

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Inhalation

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Unit 101
Bunnell, Florida 32110

Manufacturing Facility:
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Unit 101
Bunnell, Florida 32110
Production Date: 2025-10-10

Batch Data:
Batch # 252310016
Batch Date: 2025-10-10
Extracted From: Hemp

Order Details:
Test Reg State: Florida

Food Permits:
Food Permit #: 397102

Order #
RAR251204-030001
Order Date: 2025-12-04
Sample # AAHG319

Sampling Date: 2025-12-09
Lab Batch Date: 2025-12-09
Completion Date: 2025-12-19

Initial Gross Weight: 210.600 g

Net Weight per Package:
1000.000 mg
Sampling Method:
MSP 7.3.1

Net Weight per Serving:
20 mg
Servings Per Package:
50

HHCP — HHCP

Passed

Specimen Weight: 503.410 mg

SOP13.050 (LCMS)

Dilution Factor: 50000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	0.000	0.075	236	23.6	9(S)-HHCP	0.000	0.075	<LOQ	<LOQ
(9S)-HHC	0.000	0.075	103	10.3	CBC	0.000	0.075	<LOQ	<LOQ
(±)-9ß-hydroxy-HHC	0.000	0.075	1.14	0.114	Delta-8 THC methyl ether	0.000	0.075	<LOQ	<LOQ
1(R)-H4-CBD	0.000	0.15	<LOQ	<LOQ	Delta-9 THC methyl ether	0.000	0.075	<LOQ	<LOQ
1(S)-H4-CBD	0.000	0.15	<LOQ	<LOQ	H2-CBD	0.000	0.075	<LOQ	<LOQ
9(R)-HHCP	0.000	0.075	<LOQ	<LOQ	Total HHC		0.075	340	34.014

Residual Solvents - FL (CBD)

Passed

Specimen Weight: 15.000 mg

SOP13.039 (GCMS-HS)

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.009	1.6	8	<LOQ	Heptane	0.001	13.9	5000	<LOQ
1,2-Dichloroethane	0.000	0.4	2	<LOQ	Hexane	0.068	11.7	250	<LOQ
Acetone	0.015	20.8	750	<LOQ	Isopropyl alcohol	0.005	13.9	500	<LOQ
Acetonitrile	0.060	11.7	60	<LOQ	Methanol	0.001	6.9	250	<LOQ
Benzene	0.000	0.2	1	<LOQ	Methylene chloride	0.003	24.3	125	<LOQ
Butanes	0.417	25	5000	<LOQ	Pentane	0.037	20.8	750	<LOQ
Chloroform	0.000	0.4	2	<LOQ	Propane	0.031	58.3	5000	<LOQ
Ethanol	0.002	27.8	5000	<LOQ	Toluene	0.001	29.2	150	<LOQ
Ethyl Acetate	0.001	11.1	400	<LOQ	Total Xylenes	0.000	29.2	150	<LOQ
Ethyl Ether	0.005	13.9	500	<LOQ	Trichloroethylene	0.001	4.9	25	<LOQ
Ethylene Oxide	0.004	1	5	<LOQ					

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Extracted From: Hemp

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Food Permits:
Food Permit #: 397102

Order #
RAR251204-030001
Order Date: 2025-12-04
Sample # AAHG319

Sampling Date: 2025-12-09
Lab Batch Date: 2025-12-09
Completion Date: 2025-12-19

Initial Gross Weight: 210.600 g

Net Weight per Package:
1000.000 mg
Sampling Method:
MSP 7.3.1

Net Weight per Serving:
20 mg
Servings Per Package:
50

Pesticides

Specimen Weight: 582.600 mg

Passed

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.570

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	0.288	28.23	100	<LOQ	Fludioxonil	1.740	48	100	<LOQ
Acephate	0.023	30	100	<LOQ	Hexythiazox	0.049	30	100	<LOQ
Acequinocyl	9.564	48	100	<LOQ	Imazalil	0.248	30	100	<LOQ
Acetamiprid	0.052	30	100	<LOQ	Imidacloprid	0.094	30	400	<LOQ
Aldicarb	0.026	30	100	<LOQ	Kresoxim Methyl	0.042	30	100	<LOQ
Azoxystrobin	0.081	10	100	<LOQ	Malathion	0.082	30	200	<LOQ
Bifenazate	1.415	30	100	<LOQ	Metalaxyl	0.081	10	100	<LOQ
Bifenthrin	0.043	30	200	<LOQ	Methiocarb	0.032	30	100	<LOQ
Boscalid	0.055	10	100	<LOQ	Methomyl	0.022	30	100	<LOQ
Captan	6.120	30	700	<LOQ	methyl-Parathion	1.710	10	100	<LOQ
Carbaryl	0.022	10	500	<LOQ	Mevinphos	2.150	10	100	<LOQ
Carbofuran	0.034	10	100	<LOQ	MGK-264	0.585	10	100	<LOQ
Chlorantraniliprole	0.033	10	1000	<LOQ	Myclobutanil	1.029	30	100	<LOQ
Chlordane	10.000	10	100	<LOQ	Naled	0.095	30	250	<LOQ
Chlorfenapyr	0.034	30	100	<LOQ	Oxamyl	0.025	30	500	<LOQ
Chlormequat Chloride	0.108	10	1000	<LOQ	Paclobutrazol	0.065	30	100	<LOQ
Chlorpyrifos	0.035	30	100	<LOQ	Pentachloronitrobenzene	1.320	10	150	<LOQ
Clofentezine	0.119	30	200	<LOQ	Permethrin	0.343	30	100	<LOQ
Coumaphos	3.770	48	100	<LOQ	Phosmet	0.082	30	100	<LOQ
Cyfluthrin	3.110	30	500	<LOQ	Piperonylbutoxide	0.029	30	3000	<LOQ
Cypermethrin	1.449	30	500	<LOQ	Prallethrin	0.798	30	100	<LOQ
Daminozide	0.885	30	100	<LOQ	Propiconazole	0.070	30	100	<LOQ
Diazinon	0.044	30	100	<LOQ	Propoxur	0.046	30	100	<LOQ
Dichlorvos	2.182	30	100	<LOQ	Pyrethrins	23.593	30	500	<LOQ
Dimethoate	0.021	30	100	<LOQ	Pyridaben	0.032	30	200	<LOQ
Dimethomorph	5.830	48	200	<LOQ	Spinetoram	0.080	10	200	<LOQ
Ethoprophos	0.360	30	100	<LOQ	Spinosad	0.088	30	100	<LOQ
Etofenprox	0.116	30	100	<LOQ	Spiromesifen	0.261	30	100	<LOQ
Etoxazole	0.095	30	100	<LOQ	Spirotetramat	0.089	30	100	<LOQ
Fenhexamid	0.510	10	100	<LOQ	Spiroxamine	0.131	30	100	<LOQ
Fenoxycarb	0.107	30	100	<LOQ	Tebuconazole	0.067	30	100	<LOQ
Fenpyroximate	0.138	30	100	<LOQ	Thiacloprid	0.064	30	100	<LOQ
Fipronil	0.107	30	100	<LOQ	Thiamethoxam	0.050	30	500	<LOQ
Flonicamid	0.517	30	100	<LOQ	Trifloxystrobin	0.037	30	100	<LOQ

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