

Realize Bedtime Gummies, Black Raspberry - Northern Lights + CBN

Sample ID: SA-260330-79061
 Batch: BTBR021825
 Type: Finished Product - Ingestible
 Matrix: Edible - Gummy
 Unit Size (g): 4.31228
 Unit Volume (mL): , Density (g/mL):

Received: 04/03/2026
 Completed: 06/03/2026

Client
 Pure Global Inc
 500 Capitol Mall
 Sacramento, CA 95814
 USA


Summary

Test
 Cannabinoids
 Heavy Metals
 Microbials
 Mycotoxins
 Pesticides
 Residual Solvents

Date
 06/03/2026
 04/07/2026
 04/09/2026
 04/09/2026
 04/09/2026
 04/08/2026

Status
 Tested
 Tested
 Tested
 Tested
 Tested
 Tested

0.223 %	0.223 %	0.361 %	Not Tested	Not Tested	Yes
Total Δ9-THC	Δ9-THC	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Standard Normalization



Generated By: Christopher Kyzar
 QA/QC Manager
 Date: 06/03/2026



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Cannabinoids by HPLC-PDA and GC-MS/MS

Generated By: Christopher Kyzar
QA/QC Manager
Date: 06/03/2026



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Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/unit)
CBC	0.00095	0.00284	ND	ND
CBCA	0.00181	0.00543	ND	ND
CBCV	0.0006	0.0018	ND	ND
CBD	0.00081	0.00242	<LOQ	<LOQ
CBDa	0.00043	0.0013	ND	ND
CBDb	0.00133	0.004	ND	ND
CBD-C8	0.00133	0.004	ND	ND
CBDH	0.00133	0.004	ND	ND
CBDP	0.00133	0.004	ND	ND
CBDV	0.00061	0.00182	ND	ND
CBDVA	0.00021	0.00063	ND	ND
CBD diacetate	0.00133	0.004	ND	ND
CBG	0.00057	0.00172	ND	ND
CBGA	0.00049	0.00147	ND	ND
CBG diacetate	0.00133	0.004	ND	ND
CBL	0.00112	0.00335	ND	ND
CBLA	0.00124	0.00371	ND	ND
CBN	0.00056	0.00169	0.121	5.22
CBN acetate	0.00133	0.004	ND	ND
CBNA	0.0006	0.00181	ND	ND
CBP	0.00133	0.004	ND	ND
CBT	0.0018	0.0054	ND	ND
Δ4,8-iso-THC	0.00133	0.004	ND	ND
Δ6a,10a-THC	0.00133	0.004	ND	ND
Δ8-iso-THC	0.00133	0.004	0.0125	0.539
Δ8-THC	0.00104	0.00312	0.00454	0.196
Δ8-THC acetate	0.00133	0.004	ND	ND
Δ8-THCB	0.00133	0.004	ND	ND
Δ8-THC-C8	0.00133	0.004	ND	ND
Δ8-THCH	0.00133	0.004	ND	ND
Δ8-THCP	0.00133	0.004	ND	ND
Δ8-THCV	0.00133	0.004	ND	ND
Δ9-THC	0.00076	0.00227	0.223	9.62
Δ9-THC acetate	0.00133	0.004	ND	ND
Δ9-THCA	0.00084	0.00251	ND	ND
Δ9-THCB	0.00133	0.004	ND	ND
Δ9-THC-C8	0.00133	0.004	ND	ND
Δ9-THCH	0.00133	0.004	ND	ND
Δ9-THCP	0.00133	0.004	ND	ND
Δ9-THCV	0.00069	0.00206	<LOQ	<LOQ
Δ9-THCVA	0.00062	0.00186	ND	ND
(6aR,9R)-Δ10-THC	0.00133	0.004	ND	ND
(6aR,9S)-Δ10-THC	0.00133	0.004	ND	ND
exo-THC	0.00133	0.004	ND	ND
(6aR,9R,10aR)-HHC	0.00133	0.004	ND	ND
(6aR,9S,10aR)-HHC	0.00133	0.004	ND	ND
(6aR,9R,10aR)-HHC acetate	0.00133	0.004	ND	ND
(6aR,9S,10aR)-HHC acetate	0.00133	0.004	ND	ND
Total Δ9-THC			0.223	9.62
Total			0.361	15.4

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 QA/QC Manager
 Date: 06/03/2026



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ND = Not Detected; NR = (Spike) Not Recoverable, sample matrix interference present which may affect accuracy of results; NT = Not Tested; UA = Unsuitable for Analysis; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total $\Delta 9$ -THC = $\Delta 9$ -THCA * 0.877 + $\Delta 9$ -THC; Total CBD = CBDA * 0.877 + CBD;



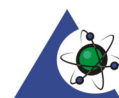
Generated By: Christopher Kyzar
QA/QC Manager
Date: 06/03/2026



Tested By: Kelsey Rogers
Scientist
Date: 06/03/2026



ISO/IEC 17025:2017 Accredited
Accreditation #108651





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Certificate of Analysis

5 of 10

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Heavy Metals by ICP-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Arsenic	0.002	0.02	ND
Cadmium	0.002	0.02	ND
Lead	0.005	0.05	ND
Mercury	0.005	0.01	ND

ND = Not Detected; NT = Not Tested; UA = Unsuitable for Analysis; NR = Sample matrix interference present which may affect accuracy of results; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Christopher Kyzar
QA/QC Manager
Date: 06/03/2026

Tested By: Annie Velazquez
Assistant Scientist
Date: 04/07/2026



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Pesticides by LC-MS/MS and GC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Abamectin	30	100	ND	Hexythiazox	30	100	ND
Acephate	30	100	ND	Imazalil	30	100	ND
Acequinocyl	30	100	ND	Imidacloprid	30	100	ND
Acetamiprid	30	100	ND	Kresoxim methyl	30	100	ND
Aldicarb	30	100	ND	Malathion	30	100	ND
Azoxystrobin	30	100	ND	Metalaxyl	30	100	ND
Bifenazate	30	100	ND	Methiocarb	30	100	ND
Bifenthrin	30	100	ND	Methomyl	30	100	ND
Boscalid	30	100	ND	Mevinphos	30	100	ND
Carbaryl	30	100	ND	Myclobutanil	30	100	ND
Carbofuran	30	100	ND	Naled	30	100	ND
Chloranthraniliprole	30	100	ND	Oxamyl	30	100	ND
Chlorfenapyr	30	100	ND	Paclobutrazol	30	100	ND
Chlormequat chloride	30	100	ND	Permethrin	30	100	ND
Chlorpyrifos	30	100	ND	Phosmet	30	100	ND
Clofentezine	30	100	ND	Piperonyl Butoxide	30	100	ND
Coumaphos	30	100	ND	Prallethrin	30	100	ND
Cypermethrin	30	100	ND	Propiconazole	30	100	ND
Daminozide	30	100	ND	Propoxur	30	100	ND
Diazinon	30	100	ND	Pyrethrins	30	100	ND
DDVP (Dichlorvos)	30	100	ND	Pyridaben	30	100	ND
Dimethoate	30	100	ND	Spinetoram	30	100	ND
Dimethomorph	30	100	ND	Spinosad	30	100	ND
Ethoprophos	30	100	ND	Spiromesifen	30	100	ND
Etofenprox	30	100	ND	Spirotetramat	30	100	ND
Etoxazole	30	100	ND	Spiroxamine	30	100	ND
Fenhexamid	30	100	ND	Tebuconazole	30	100	ND
Fenoxycarb	30	100	ND	Thiacloprid	30	100	ND
Fenpyroximate	30	100	ND	Thiamethoxam	30	100	ND
Fipronil	30	100	ND	Trifloxystrobin	30	100	ND
Flonicamid	30	100	ND				
Fludioxonil	30	100	ND				

ND = Not Detected; NT = Not Tested; UA = Unsuitable for Analysis; NR = Sample matrix interference present which may affect accuracy of results; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates



Generated By: Christopher Kyzar
 QA/QC Manager
 Date: 06/03/2026



Authorized By: Madeline Mitchell
 Assistant Scientist
 Date: 04/09/2026



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Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
B1	1	5	ND
B2	1	5	ND
G1	1	5	ND
G2	1	5	ND
Ochratoxin A	1	5	ND

ND = Not Detected; NT = Not Tested; UA = Unsuitable for Analysis; NR = Sample matrix interference present which may affect accuracy of results; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates



Generated By: Christopher Kyzar
 QA/QC Manager
 Date: 06/03/2026



Tested By: Madeline Mitchell
 Assistant Scientist
 Date: 04/09/2026



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Microbials by PCR and Plating

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)
Total aerobic count	10	ND	
Total coliforms	10	ND	
Generic E. coli	10	ND	
Salmonella spp.	1		Not Detected per 1 gram
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram

ND = Not Detected; NT = Not Tested; UA = Unsuitable for Analysis; NR = Sample matrix interference present which may affect accuracy of results; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit



Generated By: Christopher Kyzar
 QA/QC Manager
 Date: 06/03/2026



Tested By: Sara Cook
 Laboratory Technician
 Date: 04/09/2026



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Residual Solvents by HS-GC-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	33	100	ND	Ethylene Oxide	0.5	1	ND
Acetonitrile	14	41	ND	Heptane	33	100	ND
Benzene	0.5	1	ND	n-Hexane	2	6	ND
Butane	33	100	ND	Isobutane	33	100	ND
1-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanol	167	500	ND	Isopropyl Alcohol	167	500	ND
2-Butanone	167	500	ND	Isopropylbenzene	167	500	ND
Chloroform	2	6	ND	Methanol	20	60	ND
Cyclohexane	129	388	ND	2-Methylbutane	10	29	ND
1,2-Dichloroethane	0.5	1	ND	Methylene Chloride	20	60	ND
1,2-Dimethoxyethane	4	10	ND	2-Methylpentane	2	6	ND
Dimethyl Sulfoxide	167	500	ND	3-Methylpentane	2	6	ND
N,N-Dimethylacetamide	37	109	ND	n-Pentane	33	100	ND
2,2-Dimethylbutane	2	6	ND	1-Pentanol	167	500	ND
2,3-Dimethylbutane	2	6	ND	n-Propane	33	100	ND
N,N-Dimethylformamide	30	88	ND	1-Propanol	167	500	ND
2,2-Dimethylpropane	167	500	ND	Pyridine	7	20	ND
1,4-Dioxane	13	38	ND	Tetrahydrofuran	24	72	ND
Ethanol	167	500	<LOQ	Toluene	6	18	ND
2-Ethoxyethanol	6	16	ND	Trichloroethylene	3	8	ND
Ethyl Acetate	33	100	ND	Xylenes (o-, m-, and p-)	14	43	ND
Ethyl Ether	167	500	ND				
Ethylbenzene	3	7	ND				

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Generated By: Christopher Kyzar
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Tested By: Kelsey Rogers
 Scientist
 Date: 04/08/2026



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Reporting Limit Appendix

Heavy Metals - KY 902 KAR 45:190

Analyte	Limit (ppm)	Analyte	Limit (ppm)
Arsenic	0.2	Lead	0.5
Cadmium	0.2	Mercury	0.1

Microbials - KY 902 KAR 45:190

Analyte	Limit (CFU/g)	Analyte	Limit (CFU/g)
Total coliforms	100	Total aerobic count	10000

Residual Solvents - KY 902 KAR 45:190 & USP 467

Analyte	Limit (ppm)	Analyte	Limit (ppm)
Acetone	1000	Ethylene Oxide	1
Acetonitrile	410	Heptane	1000
Benzene	2	n-Hexane	60
Butane	1000	Isobutane	1000
1-Butanol	5000	Isopropyl Acetate	5000
2-Butanol	5000	Isopropyl Alcohol	5000
2-Butanone	5000	Isopropylbenzene	5000
Chloroform	60	Methanol	600
Cyclohexane	3880	2-Methylbutane	290
1,2-Dichloroethane	5	Methylene Chloride	600
1,2-Dimethoxyethane	100	2-Methylpentane	60
Dimethyl Sulfoxide	5000	3-Methylpentane	60
N,N-Dimethylacetamide	1090	n-Pentane	1000
2,2-Dimethylbutane	60	1-Pentanol	5000
2,3-Dimethylbutane	60	n-Propane	1000
N,N-Dimethylformamide	880	1-Propanol	5000
2,2-Dimethylpropane	5000	Pyridine	200
1,4-Dioxane	380	Tetrahydrofuran	720
Ethanol	5000	Toluene	180
2-Ethoxyethanol	160	Trichloroethylene	80
Ethyl Acetate	1000	Xylenes (o-, m-, and p-)	430
Ethyl Ether	5000		
Ethylbenzene	70		

Pesticides - KY 902 KAR 45:190

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Acephate	400	Imazalil	200
Acequinocyl	2000	Imidacloprid	400
Acetamiprid	200	Kresoxim methyl	400
Aldicarb	400	Malathion	200
Azoxystrobin	200	Metaxalyl	200
Bifenazate	200	Methiocarb	200
Bifenthrin	200	Methomyl	400
Boscalid	400	Mevinphos	
Carbaryl	200	Myclobutanil	200
Carbofuran	200	Naled	500
Chloranthraniliprole	200	Oxamyl	1000
Chlorfenapyr	1000	Paclobutrazol	400
Chlorpyrifos	200	Permethrin	200
Clofentezine	200	Phosmet	200
Chlormequat chloride	200	Piperonyl Butoxide	2000
Coumaphos		Prallethrin	200
Cypermethrin	1000	Propiconazole	400
Daminozide	1000	Propoxur	200
Diazinon	200	Pyrethrins	1000
DDVP (Dichlorvos)	100	Pyridaben	200
Dimethoate	200	Spinetoram	
Dimethomorph		Spinosad	200
Ethoprophos	200	Spiromesifen	200
Etofenprox	400	Spirotetramat	200
Etoazole	200	Spiroxamine	400
Fenhexamid		Tebuconazole	400
Fenoxycarb	200	Thiacloprid	200
Fenpyroximate	400	Thiamethoxam	200
Fipronil	400	Trifloxystrobin	200
Fonicamid	1000		
Fludioxonil	400		

Mycotoxins - KY 902 KAR 45:190

Analyte	Limit (ppb)	Analyte	Limit (ppb)
B1	5	B2	5
G1	5	G2	5
Ochratoxin A	20		

Pesticides - KY 902 KAR 45:190

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Abamectin	500	Hexythiazox	1000

