

Skyhio Delta 9 Black Raspberry Gummies - 200mg

 Sample ID: SA-240917-48714
 Batch: 16SEP24-SKYD9BR
 Type: Finished Product - Ingestible
 Matrix: Edible - Gummy
 Unit Mass (g): 4.56092

 Received: 09/19/2024
 Completed: 09/30/2024

Client
 Skyhio


Summary

| Test | Date Tested | Status |
|-------------------|-------------|--------|
| Cannabinoids | 09/30/2024 | Tested |
| Heavy Metals | 09/24/2024 | Tested |
| Microbials | 09/23/2024 | Tested |
| Mycotoxins | 09/25/2024 | Tested |
| Pesticides | 09/25/2024 | Tested |
| Residual Solvents | 09/25/2024 | Tested |

| | | | | | |
|--------------------------------|--------------------------|--------------------------------------|---------------------------------------|-------------------------------------|---|
| 0.167 % Total Δ9-THC | 0.167 % Δ9-THC | 0.195 % Total Cannabinoids | Not Tested Moisture Content | Not Tested Foreign Matter | Yes Internal Standard Normalization |
|--------------------------------|--------------------------|--------------------------------------|---------------------------------------|-------------------------------------|---|

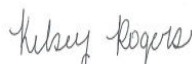
Cannabinoids by HPLC-PDA and GC-MS/MS

| 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 | ND | ND |
| CBDA | 0.00043 | 0.0013 | ND | ND |
| CBDV | 0.00061 | 0.00182 | ND | ND |
| CBDVA | 0.00021 | 0.00063 | ND | ND |
| CBG | 0.00057 | 0.00172 | ND | ND |
| CBGA | 0.00049 | 0.00147 | ND | ND |
| CBL | 0.00112 | 0.00335 | ND | ND |
| CBLA | 0.00124 | 0.00371 | ND | ND |
| CBN | 0.00056 | 0.00169 | 0.00680 | 0.310 |
| CBNA | 0.0006 | 0.00181 | ND | ND |
| CBT | 0.0018 | 0.0054 | ND | ND |
| Δ4,8-iso-THC | 0.00067 | 0.002 | ND | ND |
| Δ8-iso-THC | 0.00067 | 0.002 | 0.00310 | 0.141 |
| Δ8-THC | 0.00104 | 0.00312 | 0.0183 | 0.835 |
| Δ8-THCV | 0.00067 | 0.002 | ND | ND |
| Δ9-THC | 0.00076 | 0.00227 | 0.167 | 7.61 |
| Δ9-THCA | 0.00084 | 0.00251 | ND | ND |
| Δ9-THCV | 0.00069 | 0.00206 | ND | ND |
| Δ9-THCVA | 0.00062 | 0.00186 | ND | ND |
| exo-THC | 0.00067 | 0.002 | <LOQ | <LOQ |
| Total Δ9-THC | | | 0.167 | 7.61 |
| Total | | | 0.195 | 8.89 |

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA * 0.877 + Δ9-THC; Total CBD = CBDA * 0.877 + CBD;



 Generated By: Ryan Bellone
 CCO
 Date: 09/30/2024



 Tested By: Kelsey Rogers
 Scientist
 Date: 09/30/2024

 ISO/IEC 17025:2017 Accredited
 Accreditation #108651


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Heavy Metals by ICP-MS

| Analyte | LOD (ppm) | LOQ (ppm) | Result (ppm) |
|---------|-----------|-----------|--------------|
| Arsenic | 0.002 | 0.02 | ND |
| Cadmium | 0.001 | 0.02 | ND |
| Lead | 0.002 | 0.02 | ND |
| Mercury | 0.012 | 0.05 | ND |

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 Date: 09/30/2024



 Tested By: Chris Farman
 Scientist
 Date: 09/24/2024


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Pesticides by LC-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 | Paclobotrazol | 30 | 100 | ND |
| Chlorpyrifos | 30 | 100 | ND | Permethrin | 30 | 100 | ND |
| Clofentezine | 30 | 100 | ND | Phosmet | 30 | 100 | ND |
| Coumaphos | 30 | 100 | ND | Piperonyl Butoxide | 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 |
| 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 |
| Fonicamid | 30 | 100 | ND | | | | |
| Fludioxonil | 30 | 100 | ND | | | | |

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates



 Generated By: Ryan Bellone
 CCO
 Date: 09/30/2024



 Tested By: Jasper van Heemst
 Principal Scientist
 Date: 09/25/2024


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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; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates



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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; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit



Generated By: Ryan Bellone
 CCO
 Date: 09/30/2024



Tested By: Jade Pinkston
 Microbiology Technician
 Date: 09/23/2024



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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 | 167 | 500 | ND | Ethylene Oxide | 0.5 | 1 | ND |
| Acetonitrile | 14 | 41 | ND | Heptane | 167 | 500 | ND |
| Benzene | 0.5 | 1 | ND | n-Hexane | 10 | 29 | ND |
| Butane | 167 | 500 | ND | Isobutane | 167 | 500 | 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 | 100 | 300 | 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 | 10 | 29 | ND |
| Dimethyl Sulfoxide | 167 | 500 | ND | 3-Methylpentane | 10 | 29 | ND |
| N,N-Dimethylacetamide | 37 | 109 | ND | n-Pentane | 167 | 500 | ND |
| 2,2-Dimethylbutane | 10 | 29 | ND | 1-Pentanol | 167 | 500 | ND |
| 2,3-Dimethylbutane | 10 | 29 | ND | n-Propane | 167 | 500 | 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 | ND | Toluene | 30 | 89 | ND |
| 2-Ethoxyethanol | 6 | 16 | ND | Trichloroethylene | 3 | 8 | ND |
| Ethyl Acetate | 167 | 500 | ND | Xylenes (o-, m-, and p-) | 73 | 217 | ND |
| Ethyl Ether | 167 | 500 | ND | | | | |
| Ethylbenzene | 3 | 7 | ND | | | | |

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 Tested By: Kelsey Rogers
 Scientist
 Date: 09/25/2024


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Reporting Limit Appendix

Heavy Metals - KY 902 KAR 45:190

| Analyte | Limit (ppm) | Analyte | Limit (ppm) |
|---------|-------------|---------|-------------|
| Arsenic | 1.5 | Lead | 0.5 |
| Cadmium | 0.5 | Mercury | 1.5 |

Microbials -

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

Residual Solvents - USP 467

| Analyte | Limit (ppm) | Analyte | Limit (ppm) |
|-----------------------|-------------|--------------------------|-------------|
| Acetone | 5000 | Ethylene Oxide | 1 |
| Acetonitrile | 410 | Heptane | 5000 |
| Benzene | 2 | n-Hexane | 290 |
| Butane | 5000 | Isobutane | 5000 |
| 1-Butanol | 5000 | Isopropyl Acetate | 5000 |
| 2-Butanol | 5000 | Isopropyl Alcohol | 5000 |
| 2-Butanone | 5000 | Isopropylbenzene | 5000 |
| Chloroform | 60 | Methanol | 3000 |
| Cyclohexane | 3880 | 2-Methylbutane | 290 |
| 1,2-Dichloroethane | 5 | Methylene Chloride | 600 |
| 1,2-Dimethoxyethane | 100 | 2-Methylpentane | 290 |
| Dimethyl Sulfoxide | 5000 | 3-Methylpentane | 290 |
| N,N-Dimethylacetamide | 1090 | n-Pentane | 5000 |
| 2,2-Dimethylbutane | 290 | 1-Pentanol | 5000 |
| 2,3-Dimethylbutane | 290 | n-Propane | 5000 |
| N,N-Dimethylformamide | 880 | 1-Propanol | 5000 |
| 2,2-Dimethylpropane | 5000 | Pyridine | 200 |
| 1,4-Dioxane | 380 | Tetrahydrofuran | 720 |
| Ethanol | 5000 | Toluene | 890 |
| 2-Ethoxyethanol | 160 | Trichloroethylene | 80 |
| Ethyl Acetate | 5000 | Xylenes (o-, m-, and p-) | 2170 |
| Ethyl Ether | 5000 | | |
| Ethylbenzene | 70 | | |

Pesticides - CA DCC

| Analyte | Limit (ppb) | Analyte | Limit (ppb) |
|----------------------|-------------|--------------------|-------------|
| Acequinocyl | 4000 | Imidacloprid | 3000 |
| Acetamiprid | 5000 | Kresoxim methyl | 1000 |
| Aldicarb | 30 | Malathion | 5000 |
| Azoxystrobin | 40000 | Metaxyl | 15000 |
| Bifenazate | 5000 | Methiocarb | 30 |
| Bifenthrin | 500 | Methomyl | 100 |
| Boscalid | 10000 | Mevinphos | 30 |
| Carbaryl | 500 | Myclobutanil | 9000 |
| Carbofuran | 30 | Naled | 500 |
| Chloranthraniliprole | 40000 | Oxamyl | 200 |
| Chlorfenapyr | 30 | Paclobotrazol | 30 |
| Chlorpyrifos | 30 | Permethrin | 20000 |
| Clofentezine | 500 | Phosmet | 200 |
| Coumaphos | 30 | Piperonyl Butoxide | 8000 |
| Cypermethrin | 1000 | Propiconazole | 20000 |
| Daminozide | 30 | Propoxur | 30 |
| Diazinon | 200 | Pyrethrins | 1000 |
| Dichlorvos | 30 | Pyridaben | 3000 |
| Dimethoate | 30 | Spinetoram | 3000 |
| Dimethomorph | 20000 | Spinosad | 3000 |
| Ethoprophos | 30 | Spiromesifen | 12000 |
| Etofenprox | 30 | Spirotetramat | 13000 |
| Etoxazole | 1500 | Spiroxamine | 30 |
| Fenhexamid | 10000 | Tebuconazole | 2000 |
| Fenoxycarb | 30 | Thiacloprid | 30 |
| Fenpyroximate | 2000 | Thiamethoxam | 4500 |
| Fipronil | 30 | Trifloxystrobin | 30000 |
| Fonicamid | 2000 | | |
| Fludioxonil | 30000 | | |

Mycotoxins - Colorado CDPHE

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

Pesticides - CA DCC

| Analyte | Limit (ppb) | Analyte | Limit (ppb) |
|-----------|-------------|-------------|-------------|
| Abamectin | 300 | Hexythiazox | 2000 |
| Acephate | 5000 | Imazail | 30 |

