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Crystal Resistant CBD Distillate - High Minor

Sample ID: SA-250311-58526 Batch: R241220MS101 Type: Raw Material

Matrix: Concentrate - Distillate

Unit Mass (q):

Received: 12/23/2024 Completed: 01/03/2025

Client

Pharmabinoid B.V. Loopkantstraat 13A Uden, North Brabant 5405NB The Netherlands





Summary

Test **Date Tested Status** 01/03/2025 Cannabinoids **Tested** 12/23/2024 Foreign Matter **Tested** 12/31/2024 Heavy Metals Passed Microbials 12/27/2024 Passed 12/31/2024 Mycotoxins Passed 12/31/2024 Pesticides Passed **Residual Solvents** 01/02/2025 Passed

0.278 %

Total Δ9-THC

50.6 %

CBD

74.5%

Total Cannabinoids

Not Tested

Moisture Content

Not Detected

Foreign Matter

Yes

Internal Standard Normalization

Cannabinoids by HPLC-PDA and GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
CBC	0.0095	0.0284	1.51	15.1
CBCA	0.0181	0.0543	ND	ND
CBCV	0.006	0.018	ND	ND
CBD	0.0081	0.0242	50.6	506
CBDA	0.0043	0.013	ND	ND
CBDV	0.0061	0.0182	2.63	26.3
CBDVA	0.0021	0.0063	ND	ND
CBG	0.0057	0.0172	10.6	106
CBGA	0.0049	0.0147	ND	ND
CBL	0.0112	0.0335	ND	ND
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	0.0727	0.727
CBNA	0.006	0.0181	ND	ND
CBT	0.018	0.054	8.88	88.8
Δ4,8-iso-THC	0.0067	0.02	ND	ND
Δ8-iso-THC	0.0067	0.02	ND	ND
Δ8-ΤΗС	0.0104	0.0312	ND	ND
Δ8-ΤΗCV	0.0067	0.02	ND	ND
Δ9-ΤΗС	0.0076	0.0227	0.278	2.78
Δ9-ΤΗCΑ	0.0084	0.0251	ND	ND
Δ9-ΤΗCV	0.0069	0.0206	ND	ND
Δ9-THCVA	0.0062	0.0186	ND	ND
exo-THC	0.0067	0.02	ND	ND
Total Δ9-THC			0.278	2.78
Total			74.5	745

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: 03/11/2025

Tested By: Scott Caudill Laboratory Manager Date: 01/03/2025

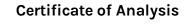






ISO/IEC 17025:2017 Accredited Accreditation #108651







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Crystal Resistant CBD Distillate - High Minor

Sample ID: SA-250311-58526 Batch: R241220MS101 Type: Raw Material

Matrix: Concentrate - Distillate

Unit Mass (g):

Received: 12/23/2024 Completed: 01/03/2025

Client

Pharmabinoid B.V. Loopkantstraat 13A Uden, North Brabant 5405NB The Netherlands



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Heavy Metals by ICP-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F	
Arsenic	0.002	0.02	ND	P	
Cadmium	0.001	0.02	ND	Р	
Lead	0.002	0.02	<rl< th=""><th>Р</th><th></th></rl<>	Р	
Mercury	0.012	0.05	ND	Р	

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



PHARMABINOID MANUFACTURER & WHOLESALER

Generated By: Ryan Bellone CCO

Date: 03/11/2025

Tested By: Chris Farman Scientist Date: 12/31/2024



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Crystal Resistant CBD Distillate - High Minor

Sample ID: SA-250311-58526 Batch: R241220MS101 Type: Raw Material

Matrix: Concentrate - Distillate

Unit Mass (g):

Received: 12/23/2024 Completed: 01/03/2025

Client

Pharmabinoid B.V. Loopkantstraat 13A Uden, North Brabant 5405NB The Netherlands



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

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

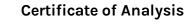
ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

PHARMABINOID
MANUFACTURER & WHOLESALER

Generated By: Ryan Bellone

CCO Date: 03/11/2025 Tested By: Anthony Mattingly Scientist Date: 12/31/2024







KCA Laboratories 232 North Plaza Drive

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Crystal Resistant CBD Distillate - High Minor

Sample ID: SA-250311-58526 Batch: R241220MS101 Type: Raw Material

Matrix: Concentrate - Distillate

Unit Mass (g):

Received: 12/23/2024 Completed: 01/03/2025

Client

Pharmabinoid B.V. Loopkantstraat 13A Uden, North Brabant 5405NB The Netherlands



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Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F	
B1	1	5	ND	Р	
B2	1	5	ND	Р	
G1	1	5	ND	Р	
G2	1	5	ND	Р	
Ochratoxin A	1	5	<loq< th=""><th>Р</th><th></th></loq<>	Р	

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

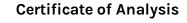


Generated By: Ryan Bellone CCO

Date: 03/11/2025

Tested By: Anthony Mattingly Scientist Date: 12/31/2024







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Crystal Resistant CBD Distillate - High Minor

Sample ID: SA-250311-58526 Batch: R241220MS101 Type: Raw Material

Matrix: Concentrate - Distillate

Unit Mass (g):

Received: 12/23/2024 Completed: 01/03/2025

Client

Pharmabinoid B.V. Loopkantstraat 13A Uden, North Brabant 5405NB The Netherlands



Microbials by PCR and Plating

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

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

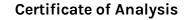


Generated By: Ryan Bellone CCO

Date: 03/11/2025

Tested By: Natalia Wright Laboratory Technician Date: 12/27/2024







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Crystal Resistant CBD Distillate - High Minor

Sample ID: SA-250311-58526 Batch: R241220MS101 Type: Raw Material

Matrix: Concentrate - Distillate

Unit Mass (g):

Received: 12/23/2024 Completed: 01/03/2025

Client

Pharmabinoid B.V. Loopkantstraat 13A Uden, North Brabant 5405NB The Netherlands



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Residual Solvents by HS-GC-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F
Acetone	167	500	ND	Р	Ethylene Oxide	0.5	1	ND	Р
Acetonitrile	14	47	ND	Р	Heptane	167	500	ND	Р
Benzene	0.5	1	ND	Р	n-Hexane	10	29	ND	Р
Butane	167	500	ND	Р	Isobutane	167	500	ND	Р
1-Butanol	167	500	ND	Р	Isopropyl Acetate	167	500	ND	Р
2-Butanol	167	500	ND	Р	Isopropyl Alcohol	167	500	ND	Р
2-Butanone	167	500	ND	Р	Isopropylbenzene	167	500	ND	Р
Chloroform	2	6	ND	Р	Methanol	100	300	ND	Р
Cyclohexane	129	388	ND	Р	2-Methylbutane	10	29	ND	Р
1,2-Dichloroethane	0.5	1	ND	Р	Methylene Chloride	20	60	ND	Р
1,2-Dimethoxyethane	4	10	ND	Р	2-Methylpentane	10	29	ND	Р
Dimethyl Sulfoxide	167	500	ND	Р	3-Methylpentane	10	29	ND	Р
N,N-Dimethylacetamide	37	109	ND	Р	n-Pentane	167	500	<rl< td=""><td>Р</td></rl<>	Р
2,2-Dimethylbutane	10	29	ND	Р	1-Pentanol	167	500	ND	Р
2,3-Dimethylbutane	10	29	ND	Р	n-Propane	167	500	ND	Р
N,N-Dimethylformamide	30	88	ND	Р	1-Propanol	167	500	ND	Р
2,2-Dimethylpropane	167	500	ND	P	Pyridine	7	20	ND	Р
1,4-Dioxane	13	38	ND	Р	Tetrahydrofuran	24	72	ND	Р
Ethanol	167	500	ND	Р	Toluene	30	89	ND	Р
2-Ethoxyethanol	6	16	ND	P	Trichloroethylene	3	8	ND	Р
Ethyl Acetate	167	500	ND	P	Xylenes (o-, m-, and p-)	73	217	ND	Р
Ethyl Ether	167	500	ND	P					
Ethylbenzene	3	7	ND	P	/ -				

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

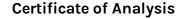


Generated By: Ryan Bellone CCO

Date: 03/11/2025

Tested By: Kelsey Rogers Scientist Date: 01/02/2025







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Crystal Resistant CBD Distillate - High Minor

Sample ID: SA-250311-58526 Batch: R241220MS101 Type: Raw Material

Matrix: Concentrate - Distillate

Unit Mass (g):

Received: 12/23/2024 Completed: 01/03/2025

Client

Pharmabinoid B.V. Loopkantstraat 13A Uden, North Brabant 5405NB The Netherlands



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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)
Acetamiprid	5000	Imidacloprid	3000
Aldicarb	30	Kresoxim methyl	1000
Azoxystrobin	40000	Malathion	5000
Bifenazate	5000	Metalaxyl	15000
Bifenthrin	500	Methiocarb	30
Boscalid	10000	Methomyl	100
Carbaryl	500	Mevinphos	30
Carbofuran	30	Myclobutanil	9000
Chloranthraniliprole	40000	Naled	500
Chlorfenapyr	30	Oxamyl	200
Chlorpyrifos	30	Paclobutrazol	30
Clofentezine	500	Permethrin	20000
Coumaphos	30	Phosmet	200
Cypermethrin	1000	Piperonyl Butoxide	8000
Diazinon	200	Propiconazole	20000
Dimethoate	30	Propoxur	30
Dimethomorph	20000	Pyridaben	3000
Ethoprophos	30	Spinetoram	3000
Etofenprox	30	Spinosad	3000
Etoxazole	1500	Spirotetramat	13000
Fenhexamid	10000	Spiroxamine	30
Fenoxycarb	30	Tebuconazole	2000
Fenpyroximate	2000	Thiacloprid	30
Fipronil	30	Thiamethoxam	4500
Flonicamid	2000	Trifloxystrobin	30000
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 Acephate 300 H 5000 Ir

Hexythiazox Imazalil

2000



