

D8.HHC.THCP.3

Sample ID: 2411AFL0359.1825

Internal Lab ID: ATL-24956

Client

Strain: Santa Muerte

Super scientific

Matrix: Plant

Received: 11/08/2024

Lic. # 2026-R-2186663 (424517 FDACS)

Type: Flower - Cured

Completed: 11/15/2024

10910 NE 144th St

Unit Weight: 1 g

Batch#: 3.THCP24

Hialeah Gardens FL 33018



Summary

Test	Date Tested	Result
Batch		Complete
Cannabinoids	11/15/2024	Complete

Expanded Potency

Complete

0.18%
Total THC

10.16%
Total CBD

18.66%
Total Cannabinoids

Analyte	LOQ	Result	Result	Analyte	LOQ	Result	Result
	%	%	mg/unit		%	%	mg/unit
CBDVa	0.01	ND	ND	9S-HHC	0.01	1.67	16.7
CBDV	0.01	0.10	1.0	9R-HHC	0.01	5.08	50.8
CBDa	0.01	1.36	13.6	Δ9-THCH	0.01	ND	ND
CBGa	0.01	ND	ND	Δ8-THCH	0.01	ND	ND
CBG	0.01	0.25	2.5	Δ9-THCP	0.01	0.24	2.4
CBD	0.01	8.96	89.6	Δ8-THCP	0.01	ND	ND
THCV	0.01	ND	ND	Δ8-THCO	0.01	ND	ND
Δ8-THCV	0.00	ND	ND	Δ9-THCO	0.01	ND	ND
THCVa	0.01	ND	ND	9(S)-HHCP	0.01	ND	ND
CBN	0.01	0.17	1.7	9(R)-HHCP	0.01	ND	ND
Δ9-THC	0.01	0.18	1.8	11-Hydroxy-THC	0.01	ND	ND
Δ8-THC	0.01	0.61	6.1	1(S)-H4-CBD	0.01	ND	ND
(6aR,9S)-d10-THC	0.01	ND	ND	1(R)-H4-CBD	0.03	ND	ND
(6aR,9R)-d10-THC	0.00	ND	ND	Δ9-THCB	0.00	ND	ND
CBC	0.01	<LOQ	<LOQ	Δ8-THCB	0.01	ND	ND
CBCa	0.01	0.06	0.6	CBDp	0.01	ND	ND
THCa	0.01	ND	ND	Total		18.66	186.6

Document ID: ATL-225, Rev 05, Effective Date: 03 October 2023; Date Tested: 11/15/2024

NT
Not Tested

Moisture Content

NT
Not Tested

Water Activity

Not Tested

Foreign Matter




Paulo Gonzalez
Laboratory Manager
11/15/2024

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Santa Muerte

Sample ID: SA-251008-70340
Batch: BT-2pk-201
Type: Plant Material
Matrix: Plant - Flower
Unit Mass (g):

Received: 10/10/2025
Completed: 11/04/2025

Client
Super Scientific
10910 NE 144th St
Hialeah Gardens, FL 33018
Lic. #: 2026-R-2186663 (424517 FDACS)



Summary

Test	Date Tested	Status
Cannabinoids	10/16/2025	Tested
Moisture	10/16/2025	Tested
Water Activity	10/24/2025	Tested
Foreign Matter	10/20/2025	Tested
Heavy Metals	10/31/2025	Tested
Microbials	10/31/2025	Tested
Mycotoxins	11/04/2025	Tested
Pesticides	11/04/2025	Tested
Residual Solvents	10/22/2025	Tested

The current and valid permit number for the facility issued by the client's regulatory entity is stated above, indicating that the facility meets the human health or food safety sanitization requirements of FDACS as evidenced by the valid permit number.

0.0973 % Δ9-THC	5.59 % CBGA	8.75 % Total Cannabinoids	8.57 % Moisture Content	Not Detected Foreign Matter	Yes Internal Standard Normalization
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Generated By: Ryan Bellone
Commercial Director
Date: 11/04/2025



Santa Muerte

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 Type: Plant Material
 Matrix: Plant - Flower
 Unit Mass (g):

Received: 10/10/2025
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Cannabinoids by HPLC-PDA and GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (% dry)	Result (mg/g dry)
CBC	0.00095	0.0028	0.326	3.26
CBCA	0.00181	0.0054	0.188	1.88
CBCV	0.0006	0.0018	ND	ND
CBD	0.00081	0.0024	0.378	3.78
CBDA	0.00043	0.0013	1.10	11.0
CBDB	0.00067	0.002	ND	ND
CBD-C8	0.00067	0.002	ND	ND
CBDH	0.00067	0.002	ND	ND
CBDP	0.00067	0.002	ND	ND
CBDV	0.00061	0.0018	ND	ND
CBDVA	0.00021	0.0006	ND	ND
CBG	0.00057	0.0017	0.437	4.37
CBGA	0.00049	0.0015	5.59	55.9
CBL	0.00112	0.0033	ND	ND
CBLA	0.00124	0.0037	ND	ND
CBN	0.00056	0.0017	ND	ND
CBNA	0.0006	0.0018	ND	ND
CBNP	0.00067	0.002	0.00689	0.0689
CBT	0.0018	0.0054	ND	ND
Δ4,8-iso-THC	0.00067	0.002	0.0189	0.189
Δ6a,10a-THC	0.00067	0.002	0.0641	0.641
Δ8-iso-THC	0.00067	0.002	ND	ND
Δ8-THC	0.00104	0.0031	0.0164	0.164
Δ8-THC acetate	0.00067	0.002	ND	ND
Δ8-THCB	0.00067	0.002	ND	ND
Δ8-THC-C8	0.00067	0.002	ND	ND
Δ8-THCH	0.00067	0.002	ND	ND
Δ8-THCP	0.00067	0.002	0.00558	0.0558
Δ8-THCV	0.00067	0.002	ND	ND
Δ9-THC	0.00076	0.0023	0.0973	0.973
Δ9-THC acetate	0.00067	0.002	ND	ND
Δ9-THCA	0.00084	0.0025	0.0215	0.215
Δ9-THCB	0.00067	0.002	ND	ND
Δ9-THC-C8	0.00067	0.002	ND	ND
Δ9-THCH	0.00067	0.002	ND	ND
Δ9-THCP	0.00067	0.002	0.123	1.23
Δ9-THCV	0.00069	0.0021	ND	ND
Δ9-THCVA	0.00062	0.0019	ND	ND
(6aR,9R)-Δ10-THC	0.00067	0.002	0.0108	0.108
(6aR,9S)-Δ10-THC	0.00067	0.002	ND	ND
exo-THC	0.00067	0.002	ND	ND
(6aR,9R,10aR)-HHC	0.00067	0.002	0.297	2.97
(6aR,9S,10aR)-HHC	0.00067	0.002	0.0752	0.752
Total Δ9-THC			0.11624	1.16
Total			8.75	87.5

ND = Not Detected; NR = Sample matrix interference present which may affect accuracy of results; NT = Not Tested; UA = Unsuitable for Analysis; NR = (Spike) Not Recoverable; 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
 Commercial Director
 Date: 11/04/2025

Tested By: Kelsey Rogers
 Scientist
 Date: 10/16/2025



ISO/IEC 17025:2017 Accredited
 Accreditation #108651





KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

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<https://kcalabs.com>
KDA Lic.# P_0058

Certificate of Analysis

3 of 8

Santa Muerte

Sample ID: SA-251008-70340
Batch: BT-2pk-201
Type: Plant Material
Matrix: Plant - Flower
Unit Mass (g):

Received: 10/10/2025
Completed: 11/04/2025

Client
Super Scientific
10910 NE 144th St
Hialeah Gardens, FL 33018
Lic. #: 2026-R-2186663 (424517 FDACS)

Generated By: Ryan Bellone
Commercial Director
Date: 11/04/2025



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Heavy Metals by ICP-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Arsenic	0.002	0.02	0.0260
Cadmium	0.001	0.02	<LOQ
Lead	0.002	0.05	0.161
Mercury	0.012	0.05	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: Ryan Bellone
Commercial Director
Date: 11/04/2025



Tested By: Chris Farman
Scientist
Date: 10/31/2025



Santa Muerte

Sample ID: SA-251008-70340
Batch: BT-2pk-201
Type: Plant Material
Matrix: Plant - Flower
Unit Mass (g):

Received: 10/10/2025
Completed: 11/04/2025

Client
Super Scientific
10910 NE 144th St
Hialeah Gardens, FL 33018
Lic. #: 2026-R-2186663 (424517 FDACS)

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

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Generated By: Ryan Bellone
Commercial Director
Date: 11/04/2025



Tested By: Scott Caudill
Laboratory Manager
Date: 11/04/2025



Santa Muerte

Sample ID: SA-251008-70340
Batch: BT-2pk-201
Type: Plant Material
Matrix: Plant - Flower
Unit Mass (g):

Received: 10/10/2025
Completed: 11/04/2025

Client
Super Scientific
10910 NE 144th St
Hialeah Gardens, FL 33018
Lic. #: 2026-R-2186663 (424517 FDACS)

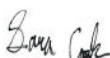
Microbials by PCR and Plating

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)
Total aerobic count	100	200	
Aspergillus flavus	1		Not Detected per 1 gram
Aspergillus fumigatus	1		Not Detected per 1 gram
Aspergillus niger	1		Not Detected per 1 gram
Aspergillus terreus	1		Not Detected per 1 gram
Bile-tolerant gram-negative bacteria	100	ND	
Total coliforms	100	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
Total yeast and mold count (TYMC)	100	10800	

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: Ryan Bellone
Commercial Director
Date: 11/04/2025



Tested By: Sara Cook
Laboratory Technician
Date: 10/31/2025



Santa Muerte

Sample ID: SA-251008-70340
Batch: BT-2pk-201
Type: Plant Material
Matrix: Plant - Flower
Unit Mass (g):

Received: 10/10/2025
Completed: 11/04/2025

Client
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Lic. #: 2026-R-2186663 (424517 FDACS)

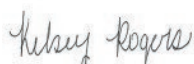
Residual Solvents by HS-GC-MS

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	ND	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: Ryan Bellone
Commercial Director
Date: 11/04/2025



Tested By: Kelsey Rogers
Scientist
Date: 10/22/2025





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Certificate of Analysis

8 of 8

Santa Muerte

Sample ID: SA-251008-70340
Batch: BT-2pk-201
Type: Plant Material
Matrix: Plant - Flower
Unit Mass (g):

Received: 10/10/2025
Completed: 11/04/2025

Client
Super Scientific
10910 NE 144th St
Hialeah Gardens, FL 33018
Lic. #: 2026-R-2186663 (424517 FDACS)

Water Activity

Analyte	Result	Unit	LOD	LOQ
Aw	0.560			

Generated By: Ryan Bellone
Commercial Director
Date: 11/04/2025

Tested By: Christina Neace
Laboratory Technician
Date: 10/24/2025



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D8.HHC.THCP.3

Sample ID: 2512AFL2182.8044

Internal Lab ID: ATL-33651

Client

Strain: Santa Muerte

Super scientific

Matrix: Plant

Received: 12/12/2025

Lic. # 2026-R-2186663 (424517 FDACS)

Type: Flower - Cured

Completed: 12/12/2025

10910 NE 144th St

Unit Weight: g

Batch#: 3.THCP24

Hialeah Gardens FL 33018

Pesticides

Pass

Analyte	LOD PPB	LOQ PPB	Limit PPB	Result	Status	Analyte	LOD PPB	LOQ PPB	Limit PPB	Result	Status
Abamectin			100	ND	Pass	Fludioxonil			100	ND	Pass
Acephate			100	ND	Pass	Hexythiazox			100	ND	Pass
Acequinocyl			100	ND	Pass	Imazalil			100	ND	Pass
Acetamiprid			100	ND	Pass	Imidacloprid			400	ND	Pass
Aldicarb			100	ND	Pass	Kresoxim Methyl			100	ND	Pass
Azoxystrobin			100	ND	Pass	Malathion			200	ND	Pass
Bifenazate			100	ND	Pass	Metalaxyl			100	ND	Pass
Bifenthrin			100	ND	Pass	Methiocarb			100	ND	Pass
Boscalid			100	ND	Pass	Methomyl			100	ND	Pass
Captan			700	ND	Pass	Mevinphos			100	ND	Pass
Carbaryl			500	ND	Pass	Myclobutanil			0	ND	Pass
Carbofuran			100	ND	Pass	Naled			250	ND	Pass
Chlorantraniliprole			1000	ND	Pass	Oxamyl			500	ND	Pass
Chlordane			100	ND	Pass	Paclobutrazol			100	ND	Pass
Chlorfenapyr			100	ND	Pass	Parathion Methyl			100	ND	Pass
Chlormequat Chloride			1000	ND	Pass	Pentachloronitrobenzene			150	ND	Pass
Chlorpyrifos			100	ND	Pass	Permethrin			100	ND	Pass
Clofentezine			200	ND	Pass	Phosmet			100	ND	Pass
Coumaphos			100	ND	Pass	Piperonyl Butoxide			3000	ND	Pass
Cyfluthrin			500	ND	Pass	Prallethrin			100	ND	Pass
Cypermethrin			500	ND	Pass	Propiconazole			100	ND	Pass
Daminozide			100	ND	Pass	Propoxur			100	ND	Pass
Diazinon			100	ND	Pass	Pyrethrins			500	ND	Pass
Dichlorvos			100	ND	Pass	Pyridaben			200	ND	Pass
Dimethoate			100	ND	Pass	Spinetoram			200	ND	Pass
Dimethomorph			200	ND	Pass	Spinosad			100	ND	Pass
Ethoprophos			100	ND	Pass	Spiromesifen			100	ND	Pass
Etofenprox			100	ND	Pass	Spirotetramat			100	ND	Pass
Etoxazole			100	ND	Pass	Spiroxamine			100	ND	Pass
Fenhexamid			100	ND	Pass	Tebuconazole			100	ND	Pass
Fenoxycarb			100	ND	Pass	Thiacloprid			100	ND	Pass
Fenpyroximate			100	ND	Pass	Thiamethoxam			500	ND	Pass
Fipronil			100	ND	Pass	Trifloxystrobin			100	ND	Pass
Flonicamid			100	ND	Pass						

Document ID: CoA-2 Pesticides Rev. 1, Test Method: TM-1

Date Tested: 12/12/2025

Pesticide via LC-MS/MS and GC-MS/MS



Lise Berthe-Laurent
Laboratory Director
12/12/2025

Abbreviations: LOQ = Limit of Quantification, LOD = Limit of Detection, ND = Not Detected, NT = Not Tested, ppm = Parts per Million, ppb = Parts per Billion, CFU/g = Colony Forming Units per Gram.

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