Certificate of Analysis

ANALYZED BY:

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CUSTOMER:

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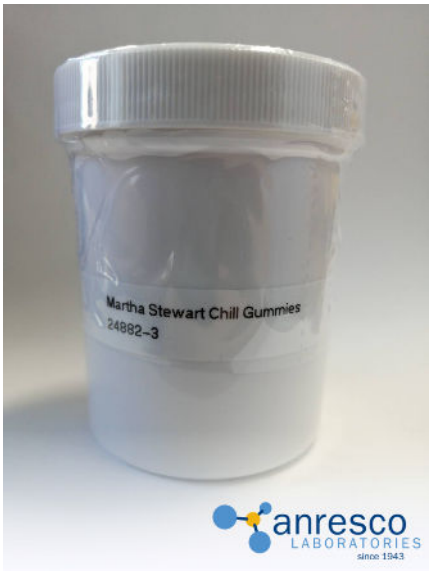

SAMPLE INFORMATION

Sample No.: 1322233
Product Name: Martha Stewart Chill Gummies
Matrix: Edible (Gummy)
Lot #: 24882-3

Date Collected: 07/21/2025
Date Received: 07/17/2025
Date Reported: 08/12/2025

TEST SUMMARY

Cannabinoid Profile:	Tested	**Microbiological Screen:**	Tested
Heavy Metal Screen:	Pass	**Foreign Material:**	Pass
Pesticide & Mycotoxin Screen:	Pass	**Residual Solvent Screen - CO CDPHE:**	Pass
L-Theanine:	Pass		

Cannabinoid Profile

07/21/2025

Method: MF-CHEM-15
Instrument: Liquid Chromatography Diode Array Detector (LC-DAD)
Limit of Detection 0.0333 mg/g
Limit of Quantitation 0.1 mg/g

Cannabinoid	mg/g	%	mg/serving
Δ8-THC	ND	ND	ND
Δ9-THC	ND	ND	ND
Δ9-THCA	ND	ND	ND
THCV	ND	ND	ND
THCVA	ND	ND	ND
CBD	5.60	0.560	23.58
CBDA	ND	ND	ND
CBC	ND	ND	ND
CBCA	ND	ND	ND
CBDV	ND	ND	ND
CBG	ND	ND	ND
CBGA	ND	ND	ND
CBN	ND	ND	ND
Total THC	ND	ND	ND
Total CBD	5.60	0.560	23.58
Total Cannabinoids	5.60	0.560	23.58
Sum of Cannabinoids	5.60	0.560	23.58
Serving Weight (g)	4.2096		

Total THC = Δ8-THC + Δ9-THC + (0.877 * THCA)
Total CBD = CBD + (0.877 * CBDA)
Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 * Σ (acidic cannabinoids)]

Microbiological Screen

07/22/2025

Analyte	Findings	Units	Method
Standard Plate Count	<10	cfu/g	FDA BAM
Total Yeast & Mold	<10	cfu/g	FDA BAM
Coliforms	<10	cfu/g	FDA BAM - ECC AGAR
Salmonella	Absent	/25g	AOAC 2016.01
STEC	Absent	/25g	Neogen MDS STEC

Heavy Metal Screen ✔ Pass

07/21/2025

Method: MF-CHEM-16

Instrument: ICP-MS

Analyte	LOD / LOQ (ppm)	Findings (ppm)	Limit	Status
Arsenic	0.02/0.05	ND	1.5	Pass
Cadmium	0.02/0.05	ND	0.5	Pass
Mercury	0.02/0.05	ND	1.5	Pass
Lead	0.02/0.05	ND	0.5	Pass

Foreign Material ✔ Pass

07/21/2025

Method: MF-CHEM-7

Analyte	Findings	Limit	Status
Sand, Soils, Cinders, and Dirt	ND	25%	Pass
Mold	ND	25%	Pass
Imbedded Foreign Material	ND	25%	Pass
Insect Fragment	ND	1 per 3g	Pass
Hair	ND	1 per 3g	Pass
Mammalian Excreta	ND	1 per 3g	Pass

Pesticide & Mycotoxin Screen ✔ Pass

07/21/2025

Method: MF-CHEM-13

Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

Analyte	LOD / LOQ (ppm)	Findings (ppm)	Limit	Status
Acephate	0.006/0.02	ND	0.02	Pass
Acequinocyl	0.009/0.03	ND	0.03	Pass
Acetamiprid	0.015/0.05	ND	0.1	Pass
Aflatoxin B1	0.002/0.005	ND	0.005	Pass
Aflatoxin B2	0.002/0.005	ND	0.005	Pass
Aflatoxin G1	0.002/0.005	ND	0.005	Pass
Aflatoxin G2	0.002/0.005	ND	0.005	Pass
Total Aflatoxins	0.008/0.02	ND	0.02	Pass
Aldicarb	0.02/0.06	ND	1	Pass
Allethrin	0.06/0.2	ND	0.2	Pass
Atrazine	0.008/0.025	ND	0.025	Pass
Avermectin B1a	0.03/0.1	ND	0.1	Pass
Azadirachtin	0.3/1.0	ND	1.0	Pass
Azoxystrobin	0.003/0.01	ND	0.02	Pass
Benzovindiflupyr	0.003/0.01	ND	0.02	Pass
Bifenazate	0.003/0.01	ND	0.02	Pass
Bifenthrin	0.03/0.1	ND	1	Pass
Boscalid	0.003/0.01	ND	0.02	Pass
Buprofezin	0.006/0.02	ND	0.02	Pass
Carbaryl	0.008/0.025	ND	0.05	Pass
Carbofuran	0.003/0.01	ND	0.02	Pass
Chlorantraniliprole	0.006/0.02	ND	0.02	Pass
Chlorfenapyr	0.015/0.05	ND	0.05	Pass
Chlorpyrifos	0.01/0.04	ND	0.04	Pass
Clofentezine	0.003/0.01	ND	0.02	Pass
Clothianidin	0.008/0.025	ND	0.05	Pass
Coumaphos	0.003/0.01	ND	0.02	Pass
Cyantraniliprole	0.003/0.01	ND	0.02	Pass
Cyfluthrin	0.06/0.2	ND	0.2	Pass
Cyhalothrin (Lambda)	0.075/0.25	ND	0.25	Pass
Cypermethrin	0.06/0.2	ND	0.3	Pass
Cyprodinil	0.015/0.05	ND	0.25	Pass
Daminozide	0.03/0.1	ND	0.1	Pass
Deltamethrin	0.09/0.3	ND	0.5	Pass
Diazinon	0.006/0.02	ND	0.02	Pass
Dichlorvos	0.015/0.05	ND	0.1	Pass
Dimethoate	0.006/0.02	ND	0.02	Pass
Dimethomorph	0.015/0.05	ND	0.05	Pass
Dinotefuran	0.015/0.05	ND	0.1	Pass
Diuron	0.015/0.05	ND	0.125	Pass
Dodemorph	0.015/0.05	ND	0.05	Pass
Endosulfan sulfate	0.015/0.05	ND	0.05	Pass
Endosulfan-alpha (I)	0.015/0.05	ND	0.2	Pass
Endosulfan-beta (II)	0.015/0.05	ND	0.05	Pass

Analyte	LOD / LOQ (ppm)	Findings (ppm)	Limit	Status
Ethoprophos	0.006/0.02	ND	0.02	Pass
Etofenprox	0.015/0.05	ND	0.05	Pass
Etoxazole	0.006/0.02	ND	0.02	Pass
Etridiazole	0.009/0.03	ND	0.03	Pass
Fenhexamid	0.015/0.05	ND	0.125	Pass
Fenoxycarb	0.003/0.01	ND	0.02	Pass
Fenpyroximate	0.006/0.02	ND	0.02	Pass
Fensulfothion	0.003/0.01	ND	0.02	Pass
Fenthion	0.006/0.02	ND	0.02	Pass
Fenvalerate	0.03/0.1	ND	0.1	Pass
Fipronil	0.02/0.06	ND	0.06	Pass
Flonicamid	0.008/0.025	ND	0.05	Pass
Fludioxonil	0.003/0.01	ND	0.02	Pass
Fluopyram	0.003/0.01	ND	0.02	Pass
Hexythiazox	0.003/0.01	ND	0.01	Pass
Imazalil	0.003/0.01	ND	0.05	Pass
Imidacloprid	0.003/0.01	ND	0.02	Pass
Iprodione	0.15/0.5	ND	1	Pass
Kinoprene	0.15/0.5	ND	0.5	Pass
Kresoxim-methyl	0.006/0.02	ND	0.02	Pass
Malathion	0.003/0.01	ND	0.02	Pass
Metalaxyl	0.003/0.01	ND	0.02	Pass
Methiocarb	0.003/0.01	ND	0.02	Pass
Methomyl	0.008/0.025	ND	0.05	Pass
Methoprene	0.6/2	ND	2	Pass
Methyl parathion	0.015/0.05	ND	0.05	Pass
Mevinphos	0.008/0.025	ND	0.05	Pass
MGK-264	0.015/0.05	ND	0.05	Pass
Myclobutanil	0.003/0.01	ND	0.02	Pass
Naled	0.015/0.05	ND	0.1	Pass
Novaluron	0.008/0.025	ND	0.05	Pass
Ochratoxin A	0.002/0.005	ND	0.005	Pass
Oxamyl	0.015/0.05	ND	3.0	Pass
Paclobutrazol	0.003/0.01	ND	0.02	Pass
Permethrin	0.06/0.2	ND	0.5	Pass
Pentachloronitrobenzene	0.006/0.02	ND	0.02	Pass
Phenothrin	0.015/0.05	ND	0.05	Pass
Phosmet	0.006/0.02	ND	0.02	Pass
Piperonyl butoxide	0.015/0.05	ND	0.2	Pass
Pirimicarb	0.003/0.01	ND	0.02	Pass
Prallethrin	0.015/0.05	ND	0.05	Pass
Propiconazole	0.015/0.05	ND	0.1	Pass
Propoxur	0.003/0.01	ND	0.02	Pass
Pyraclostrobin	0.003/0.01	ND	0.02	Pass
Pyrethrins	0.015/0.05	ND	0.05	Pass
Pyridaben	0.006/0.02	ND	0.05	Pass
Pyriproxyfen	0.003/0.01	ND	0.01	Pass
Resmethrin	0.03/0.1	ND	0.1	Pass
Spinetoram	0.003/0.01	ND	0.02	Pass
Spinosad	0.003/0.01	ND	0.1	Pass
Spirodiclofen	0.03/0.1	ND	0.25	Pass
Spiromesifen	0.03/0.1	ND	3	Pass
Spirotetramat	0.003/0.01	ND	0.02	Pass
Spiroxamine	0.015/0.05	ND	0.1	Pass
Tebuconazole	0.003/0.01	ND	0.05	Pass
Tebufenozide	0.003/0.01	ND	0.02	Pass
Teflubenzuron	0.015/0.05	ND	0.05	Pass
Tetrachlorvinphos	0.006/0.02	ND	0.02	Pass
Tetramethrin	0.03/0.1	ND	0.1	Pass
Thiabendazole	0.006/0.02	ND	0.02	Pass
Thiacloprid	0.003/0.01	ND	0.02	Pass
Thiamethoxam	0.003/0.01	ND	0.02	Pass
Thiophanate-methyl	0.015/0.05	ND	0.05	Pass
Trifloxystrobin	0.003/0.01	ND	0.02	Pass

Note: Statuses with an asterisk (*) indicate LOQ/Action Limits not available or established by the CDPHE per CDPHE Code Reg. 1010-21.7.

Residual Solvent Screen - CO CDPHE ✔ Pass

07/21/2025

Method: MF-CHEM-32

Instrument: Gas Chromatography Mass Spectrometry (GC/MS)

Analyte	LOD / LOQ (ppm)	Findings (ppm)	Limit	Status
Acetone	67/200	ND	1000	Pass
Benzene	0.2/0.5	ND	2	Pass
Butanes	67/200	ND	1000	Pass
Ethanol	67/200	ND	1000	Pass
Ethyl Acetate	67/200	ND	1000	Pass
Heptanes	67/200	ND	1000	Pass
Hexane	14/40	ND	60	Pass
Isopropyl Alcohol	67/200	ND	1000	Pass
Methanol	67/200	ND	600	Pass
Pentane	67/200	ND	1000	Pass
propane	67/200	ND	1000	Pass
Toluene	14/40	ND	180	Pass
Total Xylenes (m, p, o-xylenes)	67/200	ND	430	Pass
Any other solvent not permitted for use	NA/NA	ND	NA	Pass

L-Theanine

08/12/2025

Method: Evaluation of Tea Functionality: Determination of L-Theanine Content in Green and Black Teas by Liquid Chromatography, J. Chil. Chem. Soc., 58, Nº 4 (2013)

Instrument: HPLC-DAD

Analyte	Findings	Units
L-Theanine	30.6	mg/gummy

ND = None Detected
LOD = Limit of Detection
LOQ = Limit of Quantitation

Reported by

Vu Lam
Lab Co Director

Scan to verify