

**GrowMas test site
Mississauga, Ontario
Canada**

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GROWMAS

CLEAN SOIL CLEAN WATER CLEAN FOOD
GROWMAS

Revolutionizing Cannabis Cultivation

GrowMAS is a groundbreaking plant-based formula designed to enhance cannabis cultivation. This innovative solution boosts plant growth by stimulating natural stress responses, resulting in healthier, more robust cannabis plants. From deeper green leaves to higher oil content and increased THC and CBD levels, GrowMAS offers a comprehensive approach to improving cannabis quality and yield.

By focusing on prevention and plant health, GrowMAS provides farmers with a sustainable, low-risk alternative to traditional cultivation methods. The result is consistently higher-grade cannabis that commands premium prices in the market.

Enhanced Oil Production

Commercial producers report higher oil production after using GrowMAS, resulting in stickier buds compared to untreated plants.

Outdoor-grown plants treated with GrowMAS show increased THC, CBD, and terpene content, enhancing overall potency and quality.



Deeper Green leaves

GrowMAS applications result in noticeably deeper green leaves, indicating improved plant health and chlorophyll production

Before GrowMas

**With GrowMas
24 hours after first application**



2023 July, Western New York, USA

Meet and greet with Master Grower available

(see COA's of this farm at the end of the presentation)



Root and Stem Development

Non Treated Control



Treated with GrowMas



Enhanced Root Growth

GrowMAS promotes longer, thicker, and denser root systems, resulting in faster growth and improved nutrient uptake.

Thicker Stems

Plants treated with GrowMAS develop thicker stems, providing better support and leading to improved flower production.

Transplant Recovery

GrowMAS-treated plants show accelerated growth and better recovery when transplanted from nurseries.

Stress Resistance and Plant Health

Drought Resistance

GrowMAS-treated plants demonstrate improved resistance to drought conditions, maintaining health during dry periods.

Wet Weather Tolerance

Plants show better resilience to excessive moisture, as evidenced in New York State 2023 and Ontario 2024 summer conditions.

Vibrant Appearance

Treated plants maintain a more vibrant color and overall healthier appearance, even in challenging conditions.

Adaptability

With just a few sprays, plants become more capable of managing changing environmental conditions.

New York State 2023
GrowMas treated

Only foliar spray used
COA's available





Better Bud Quality with GrowMAS

1 AAA or AAAA Grade

GrowMAS enables outdoor-grown cannabis to achieve top-tier quality grades, rivaling indoor-grown products.

2 Enhanced Flavor and Aroma

Treated plants produce buds with noticeably improved taste and aromatic profiles.

3 Vibrant Appearance

GrowMAS-treated buds exhibit more vibrant colors and overall appealing aesthetics.

4 Higher Trichome Content

Increased trichome production results in a more potent and visually appealing product.

Clean and Residue-Free Product

Clear product differentiator

Consumers willing to pay a premium

Repeat business engine

GrowMAS leaves no chemical residue on cannabis, resulting in a cleaner, higher-value product with better branding potential.

The absence of residues appeals to health-conscious consumers, potentially increasing market share and customer loyalty

Analysis shows a noticeable difference in quality between Grow Mas-treated and untreated cannabis, confirming its effectiveness.

COA's available



A close-up photograph of cannabis plants, showing serrated green leaves and developing buds covered in trichomes.

**Demonstration site
Niagara Falls
Canada**

Simplified Cultivation Protocol

Weekly Application

GrowMAS requires a simple protocol of one spray per week for optimal results.

Nursery Stage

Three micro-doses are applied during the nursery stage to establish a strong foundation.

Late-Stage Flexibility

Unlike most products, GrowMAS can be safely applied during the last weeks of growth.

Consistent Results

This simple protocol ensures consistent ROI for farmers across various growing conditions.

The Science Behind GrowMAS

GrowMAS's proprietary plant-based formula enhances cannabis growth by boosting abiotic stress responses. It stimulates epigenetic changes already present in all plants, leading to improved overall plant health and productivity.

The formula increases water uptake by stimulating vascular bundles and enhances micronutrient absorption. It encourages root growth, increases vitality, and improves leaf health. These improvements lead to better conversion of light to energy, resulting in healthier plants with thicker stems, better root development, and higher quality buds.



Water Uptake

Stimulates vascular bundles for improved hydration.



Leaf Health

Enhances vitality and overall leaf condition.



Root Growth

Promotes stronger, longer, and denser root systems.



Energy Conversion

Improves light-to-energy conversion efficiency.



GrowMas Farm

Benefits for Cannabis Farmers

Yield Increase	Higher Grade Crops	Consistent Production
Drought Resistance	Easy Implementation	Compatible with Existing Systems
Cost Savings	Reduced Risk	No Residue
Energy Efficiency	Labor Cost Reduction	Sustainable Use

GrowMAS vs. Traditional Methods

GrowMAS Approach

Plant-based formulas focus on boosting natural plant health, offering a preventive approach.

GrowMAS ensures no chemical residue in the final product, promoting a cleaner and healthier option for consumers.

The solution is compatible with existing systems and is affordable and cost-effective.

Traditional Methods

Chemical-based solutions often rely on a reactive approach to plant issues, potentially leaving residue.

These methods can be costly and less sustainable, leading to lower yields and increased environmental impact.

Key Advantages

- Improved plant health
- Higher quality Bud
- Environmentally friendly
- Consistent results
- Lower risk for farmers and staff
- Clear product differentiator
- Consumers willing to pay a premium



GrowMAS's natural plant-based formula, shown on the left, is an effective and environmentally friendly way to produce high-quality cannabis. Traditional methods often rely on chemical solutions, shown on the right, which can lead to unwanted residue and environmental harm. (See COA summary of this grow below)

Nursery and Transplanting Benefits

Nursery Stage

Faster growth, less crop loss, longer and denser roots with better color. Nursery plants grow faster, resulting in faster cycles and more stable, greener, thicker plants.

Transplanting Stage

GrowMAS-treated plants recover faster with less shock. Growth is accelerated, leading to a faster overall growth cycle.

Post-Transplant Development

Continued use of GrowMAS results in thicker stems, better nutrient transport, and improved crop quality.



Leaf and Flower Enhancements

Leaf Improvements

GrowMAS results in thicker, greener leaves with increased wax content, helping prevent insect damage. Wider leaves and less spotting contribute to more efficient photosynthesis.

Consistent Color

Treated plants maintain a more consistent, deeper green color throughout their growth cycle.

Flower Volume

GrowMAS treatment leads to higher volume flowers, contributing to increased yield and quality.

Overall Plant Health

The combination of healthier leaves and improved flower production results in better overall crop quality.



New York State
2023

The Future of Cannabis Cultivation with GrowMAS

GrowMAS represents a paradigm shift in cannabis cultivation, offering unmatched value to farmers. By increasing yield, improving crop grade, and ensuring farm consistency, GrowMAS provides a reliable path to higher profits. Its easy-to-implement protocols, compatibility with existing systems, and cost-effectiveness make it an attractive option for growers of all sizes.

Moreover, GrowMAS aligns with the growing demand for sustainable and clean cannabis products. With no residue on the plant, soil, or water, it allows farmers to produce high-quality cannabis without environmental contamination. As the industry evolves, GrowMAS stands at the forefront, enabling farmers to meet market demands while maintaining sustainable practices.



Advanced Cultivation

GrowMAS integrates seamlessly with modern cultivation techniques, enhancing efficiency and yield.



Sustainable Farming

GrowMAS supports eco-friendly farming practices, reducing environmental impact while maximizing output.



Premium Products

The superior quality of GrowMAS-treated cannabis translates to premium products that command higher market prices.

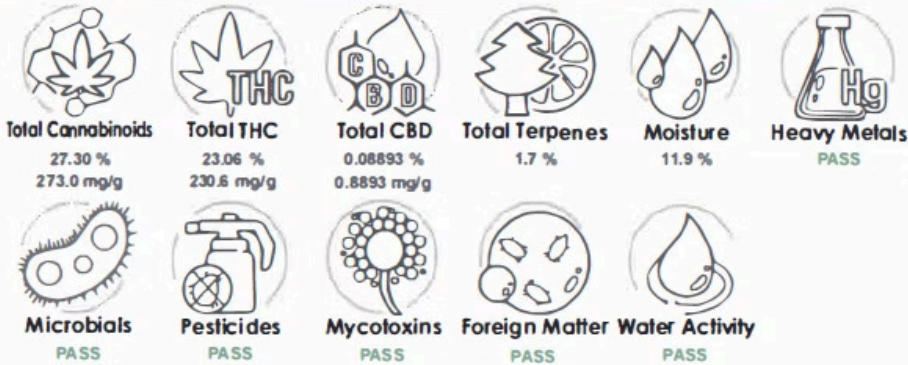


RESULTS - USA (Outdoor)

Date Released: 2/15/2024 12:42:22PM
Report #: 10912

Gazzurple 3.5g Bags

Sample #: 3794, Weight: 28.00g, Unit Count:
Order #: X240207-0002
Category/Type: Plant, Flower - Cured
Date Collected: 2/7/2024 2:09:17PM
Date Received: 2/7/2024 2:47:06PM
Regulator Sample ID: FP-GAZR-179-0224
Regulator Source Package ID: FP-GAZR-179-0224
Regulator Batch ID: FP-GAZR-179-0224
Size: 780Units, Unit Count:

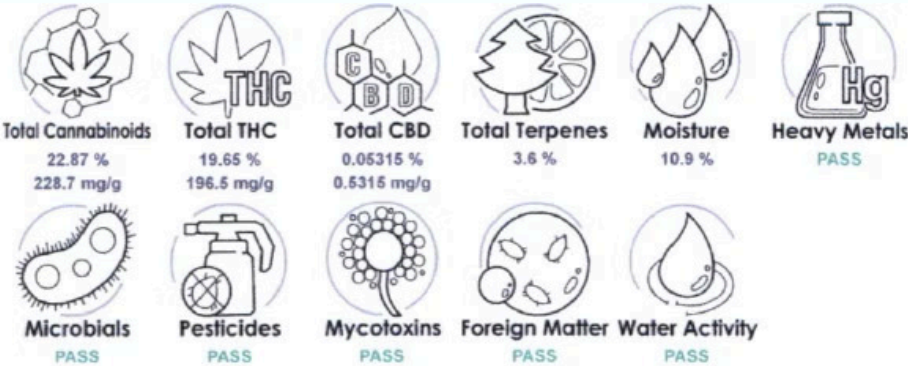


Potency Analysis by HPLC					Total Cannabinoids: 27.30 % - 273.0 mg/g Total THC: 23.06 % - 230.6 mg/g Total CBD: 0.08893 % - 0.8893 mg/g	Date Completed: 02/09/2024 8:56AM
Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration	
THCa	23978-85-0	0.001000	24.90	249.0		
d9-THC	1972-08-3	0.001000	1.220	12.20		
CBGa	25555-57-1	0.001000	0.9265	9.265		
CBDa	1244-58-2	0.001000	0.1014	1.014		
CBC	20675-51-8	0.001000	0.06745	0.6745		
CBG	25654-31-3	0.001000	0.04569	0.4569		
CBDV	24274-48-4	0.001000	0.03873	0.3873		

Date Released: 1/2/2024 5:39:13PM
Report #: 8054

Hella Jelly 3.5g bags

Sample #: 3410, Weight: 70.00g, Unit Count:
Order #: X231221-0002
Category/Type: Plant, Flower - Cured
Date Collected: 12/21/2023 7:35:10AM
Date Received: 12/21/2023 7:40:09AM
Regulator Sample ID: FP-HELJ-179-1223
Regulator Source Package ID: FP-HELJ-179-1223
Regulator Batch ID: FP-HELJ-179-1223
Size: 5100Units, Unit Count:

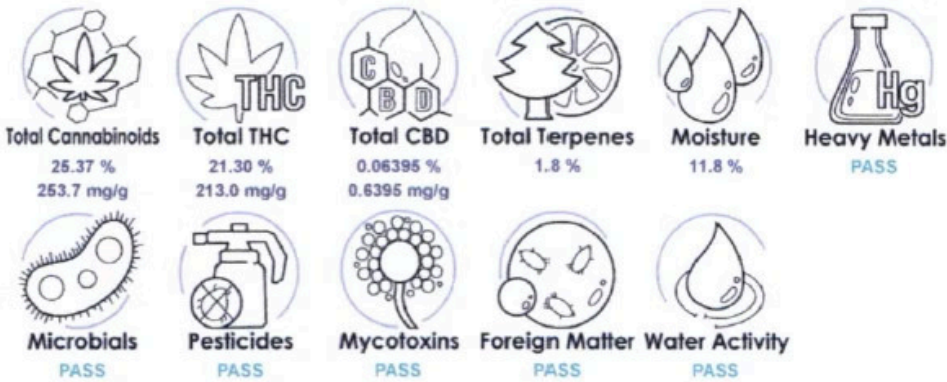


Potency Analysis by HPLC					Total Cannabinoids: 22.87 % - 228.7 mg/g Total THC: 19.65 % - 196.5 mg/g Total CBD: 0.05315 % - 0.5315 mg/g	Date Completed: 12/22/2023 11:59AM
Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration	
THCa	23978-85-0	0.001000	21.22	212.2		
d9-THC	1972-08-3	0.001000	1.036	10.36		
CBGa	25555-57-1	0.001000	0.5287	5.287		
CBDa	1244-58-2	0.001000	0.06060	0.6060		
CBG	25654-31-3	0.001000	0.02714	0.2714		

Date Released: 2/15/2024 12:42:22PM
Report #: 10913

Pistachio 3.5g Bags

Sample #: 3795, Weight: 45.50g, Unit Count:
Order #: X240207-0002
Category/Type: Plant, Flower - Cured
Date Collected: 2/7/2024 2:09:17PM
Date Received: 2/7/2024 2:47:07PM
Regulator Sample ID: FP-PSTA-179-0224
Regulator Source Package ID: FP-PSTA-179-0224
Regulator Batch ID: FP-PSTA-179-0224
Size: 1713Units, Unit Count:

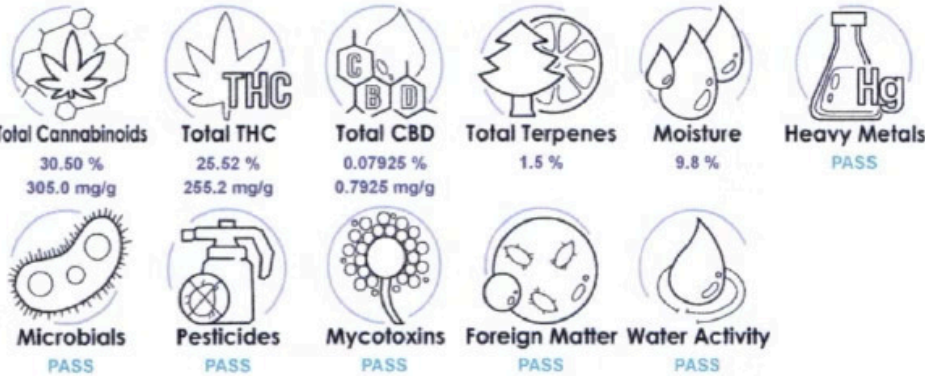


Potency Analysis by HPLC					Total Cannabinoids: 25.37 % - 253.7 mg/g Total THC: 21.30 % - 213.0 mg/g Total CBD: 0.06395 % - 0.6395 mg/g	Date Completed: 02/09/2024 8:56AM
Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration	
THCa	23978-85-0	0.001000	19.46	194.6		
d9-THC	1972-08-3	0.001000	4.235	42.35		
CBGa	25555-57-1	0.001000	1.411	14.11		
CBG	25654-31-3	0.001000	0.1267	1.267		
CBDa	1244-58-2	0.001000	0.07292	0.7292		
CBC	20675-51-8	0.001000	0.04624	0.4624		
THCV	31262-37-0	0.001000	0.02179	0.2179		

Date Released: 2/15/2024 12:42:22PM
Report #: 10911

Poddy Mouth 3.5g Bags

Sample #: 3796, Weight: 45.50g, Unit Count:
Order #: X240207-0002
Category/Type: Plant, Flower - Cured
Date Collected: 2/7/2024 2:09:17PM
Date Received: 2/7/2024 2:47:07PM
Regulator Sample ID: FP-PODM-179-0224
Regulator Source Package ID: FP-PODM-179-0224
Regulator Batch ID: FP-PODM-179-0224
Size: 1813Units, Unit Count:



Potency Analysis by HPLC					Total Cannabinoids: 30.50 % - 305.0 mg/g Total THC: 25.52 % - 255.2 mg/g Total CBD: 0.07925 % - 0.7925 mg/g	Date Completed: 02/09/2024 8:56AM
Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration	
THCa	23978-85-0	0.001000	27.65	276.5		
CBGa	25555-57-1	0.001000	1.333	13.33		
d9-THC	1972-08-3	0.001000	1.274	12.74		
CBG	25654-31-3	0.001000	0.1029	1.029		
CBDa	1244-58-2	0.001000	0.09037	0.9037		
CBC	20675-51-8	0.001000	0.05397	0.5397		



RESULTS - Canada (Outdoor)

PURPL
SCIENTIFIC

←

YOUR RESULTS

9:25:02 AM 2024-11-11

NAME

Bag 16 2024

TOTAL THC

24%

TOTAL CBD

<2%

MOISTURE

9.1%

WATER ACTIVITY

0.4

NOTE

Bush kush

SAVE TO DB

NEW MEASUREMENT

MEASURE

CALIBRATE

HISTORY

MY DEVICES

PURPL
SCIENTIFIC

←

YOUR RESULTS

9:42:07 AM 2024-11-11

NAME

Bag 7 2024

TOTAL THC

21%

TOTAL CBD

<2%

MOISTURE

9.2%

WATER ACTIVITY

0.3

NOTE

Weekend at Bernie's

SAVE TO DB

NEW MEASUREMENT

MEASURE

CALIBRATE

HISTORY

MY DEVICES

PURPL
SCIENTIFIC

←

YOUR RESULTS

9:18:00 AM 2024-11-11

NAME

Bag 14 2024

TOTAL THC

20%

TOTAL CBD

<2%

MOISTURE

8.8%

WATER ACTIVITY

0.4

NOTE

Blueberry pancakes

SAVE TO DB

NEW MEASUREMENT

MEASURE

CALIBRATE

HISTORY

MY DEVICES

PURPL
SCIENTIFIC

←

YOUR RESULTS

9:37:52 AM 2024-11-11

NAME

Bag 12 2024

TOTAL THC

20%

TOTAL CBD

<2%

MOISTURE

11.4%

WATER ACTIVITY

0.4

NOTE

White widow

SAVE TO DB

NEW MEASUREMENT

MEASURE

CALIBRATE

HISTORY

MY DEVICES

