CALYX CONTAINERS | **Calyx Cure**
Your ideal cure, in the bag

Research Report
Third Party Cultivators

THE ADVANTAGES OF CALYX CURE FOR CANNABIS CULTIVATORS

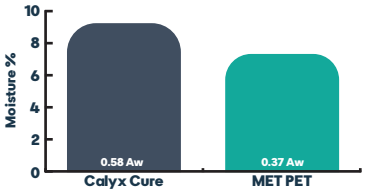
A proper cure is essential for maximizing cannabis quality, preserving delicate terpenes, and ensuring a smooth, flavorful experience. Traditional curing methods (e.g., using turkey bags or bins with routine "burping") can be labor-intensive and prone to inconsistencies in moisture and terpene retention. Calyx Cure offers a durable 9-layer, breathable Modified Atmosphere Packaging (MAP) film blend designed to simplify this process while enhancing consistency and quality. This report summarizes why cultivators should adopt Calyx Cure, how it functions to preserve cannabis, and provides real-world data illustrating its effectiveness compared to conventional curing approaches.

CALYX CURE VS. MET PET POUCH

Wonka Bars Strain

A recent third-party test compared the same cannabis strain cured in Calyx Cure vs. Traditional Met Pet

Moisture & Water Activity (Aw)



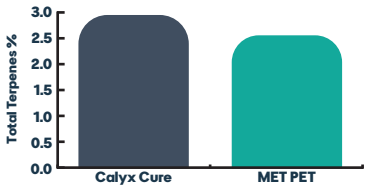
Interpretation:

- Calyx Cure sample is near ideal curing targets of ~10–12% moisture and ~0.55–0.65 Aw.
- MET PET sample is over-dried, risking terpene volatility and harsher smoke.

Terpene Profiles

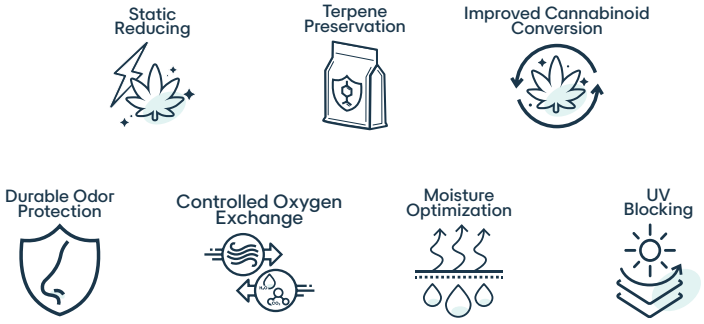
Interpretation:

- Calyx Cure preserved ~15% more total terpenes.
- Calyx Cure sample showed higher d-limonene, β-myrcene, and β-caryophyllene, implying more robust citrus, earthy, and spicy notes.



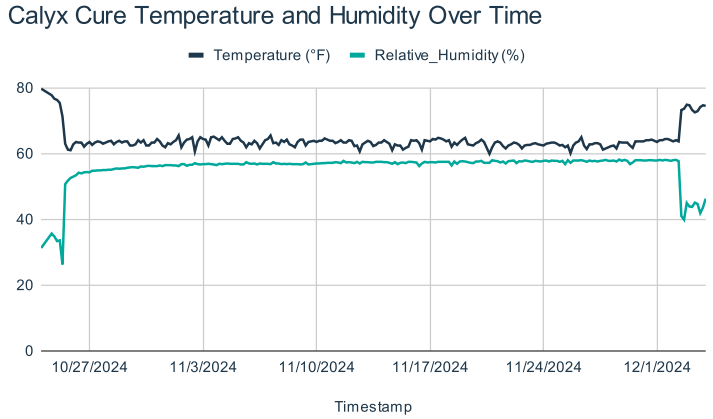
THE CALYX CURE SOLUTION

Benefits Over Traditional Methods



REAL-WORLD DATA & THIRD-PARTY TESTING

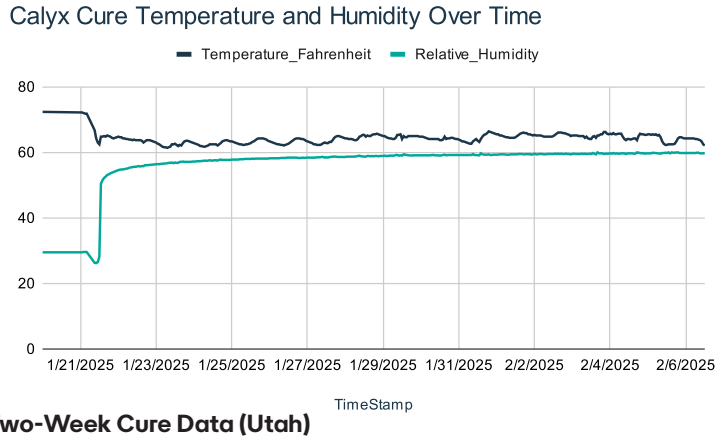
Longer Cures with Consistent Outcomes



Five-Week Cure Data (Arizona)

Even during extended curing periods, buds in Calyx Cure maintained stable RH and showed minimal terpene loss. By contrast, bins, turkey-bag, or jar-based methods often require constant monitoring and manual adjustments.

Maintaining Ideal RH Despite Fluctuations



Two-Week Cure Data (Utah)

Over a 2-week cure, Calyx Cure bags kept buds within the ideal RH range, even as the external temperature fluctuated. In conventional setups, daily temperature and humidity swings often lead to uneven curing and terpene loss.

NO BURPING
NO HUMIDITY PACKS
NO BULLSH*T

More Cure Data

www.CalyxContainers.com | 617-249-6870 | 1991 Parkway Blvd, West Valley City, UT 84119

CALYX CONTAINERS | **Calyx Cure**
Your ideal cure, in the bag

Research Report
Third Party Cultivators

COA TESTING RESULTS

Third-party lab results from Apollo Labs validate Calyx Cure's advanced moisture regulation and exceptional water activity consistency.

Calyx Cure - Wonka Bars

APOLLO LABS

Apollo Labs
17301 North Perimeter Drive
Scottsdale, AZ 85255
(602) 767-7600
http://www.apollolabscorp.com
Lic#

For Quality Assurance & Informational Use Only

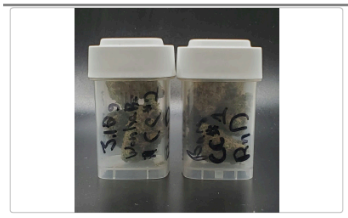
1 of 3

Wonka Bars CC
Sample ID: 2412APO5229.24146
Strain: Wonka Bars CC
Matrix: Plant
Type: Flower - Cured
Source Batch #:

Produced:
Collected: 12/02/2024 09:13 am
Received: 12/02/2024
Completed: 12/03/2024
Batch #: H9.24.24
Harvest Date:

Client
[redacted]
Lic. # 16978445[redacted]

Lot #:
Production/Manufacture Date:
Production/Manufacture Method: Indoor



Summary

Test	Date Tested	Result
Batch		Complete
Cannabinoids	12/02/2024	Complete
Moisture (Q3)	12/03/2024	9.2% - Complete
Terpenes	12/03/2024	Complete
Water Activity (Q3)	12/03/2024	0.58 Aw - Complete

Cannabinoids by SOP-6 — Complete

27.2566%	ND	32.1043%	2.9335%
Total THC	Total CBD	Total Cannabinoids (Q3)	Total Terpenes (Q3)

VS.

MET PET - Wonka Bars

APOLLO LABS

Apollo Labs
17301 North Perimeter Drive
Scottsdale, AZ 85255
(602) 767-7600
http://www.apollolabscorp.com
Lic#

For Quality Assurance & Informational Use Only

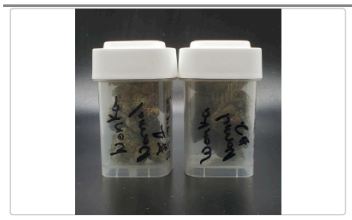
1 of 3

Wonka Bars Normal
Sample ID: 2412APO5229.24145
Strain: Wonka Bars Normal
Matrix: Plant
Type: Flower - Cured
Source Batch #:

Produced:
Collected: 12/02/2024 09:13 am
Received: 12/02/2024
Completed: 12/03/2024
Batch #: H9.24.24
Harvest Date:

Client
[redacted]
Lic. # 16978445[redacted]

Lot #:
Production/Manufacture Date:
Production/Manufacture Method: Indoor



Summary

Test	Date Tested	Result
Batch		Complete
Cannabinoids	12/02/2024	Complete
Moisture (Q3)	12/03/2024	7.3% - Complete
Terpenes	12/03/2024	Complete
Water Activity (Q3)	12/03/2024	0.37 Aw - Complete

Cannabinoids by SOP-6 — Complete

29.1395%	ND	34.3506%	2.5447%
Total THC	Total CBD	Total Cannabinoids (Q3)	Total Terpenes (Q3)

MAXIMIZE MOISTURE & WATER ACTIVITY

Client Example (Arizona)

In a side-by-side 5-week cure, Calyx Cure outperformed MET PET by balancing moisture retention (critical for weight and flavor) without fostering microbial growth. Lab COAs showed optimal water activity (Aw) and terpene preservation, underscoring the effectiveness of the MAP film.

Calyx Cure retained 1.9% more moisture (9.2% vs. 7.3%) and had 0.21 higher water activity (0.58 vs. 0.37), directly increasing sellable weight.

For example, curing 1,000 lbs at 9.2% instead of 7.3% adds about 21 extra lbs—a 2.1% yield gain. Over time, that added weight can significantly boost total sales.
Higher water activity also supports a fresher, more aromatic product that may command a premium, increasing both volume and value.

IMPROVE PROFITABILITY & QUALITY.

1 Profit Maximization Through Moisture Optimization
- Calyx Cure locks in the right amount of moisture, reducing the risk of product weight loss.

2 Enhanced Flavor & User Experience
- Higher terpene retention provides richer aromas and smoother smoke, leading to better consumer reviews and repeat purchases.

3 Labor & Time Savings
- Eliminates the daily burping routine, freeing staff for higher-value tasks.

4 Consistent, Scalable Results
- A scientifically controlled environment ensures predictable outcomes, enabling cultivators to replicate quality across multiple batches.

THC & Cannabinoid Content

- MET PET reads higher THC (29.14%) than Calyx Cure (27.26%)—but this difference largely reflects over-drying. Less water weight = artificially elevated THC%.
- In practical terms, both samples have similar actual THC milligrams; the drier sample merely appears higher by weight percentage.
- Low moisture artificially elevates THC readings by reducing total bud weight, giving a misleading impression of potency.

Importance of Normalization

- To fairly compare THC and cannabinoid levels, test results must be normalized to the same moisture content. Lower moisture can falsely inflate potency percentages.
- In this case, the Normal cure had 7.3% moisture vs. 9.2% for Calyx Cure. After adjusting to 9.2% moisture, the Normal cure's results dropped slightly:
  - **THC:** 29.14% → 28.54% (vs. Calyx Cure's 27.3%)
  - **Total Cannabinoids:** 34.35% → 33.65% (vs. Calyx Cure's 32.1%)

Conclusion from COAs

- Calyx Cure is objectively "better cured" due to balanced moisture, optimal Aw, and higher terpene retention, delivering smoother flavor and aroma.
- MET PET is overly dry, leading to superficially higher THC on lab tests, but lower terpene levels and a harsher final product.

ESSENTIALS FOR OPTIMAL CURING

Chlorophyll Degradation
Slow, steady off-gassing breaks down harsh compounds, leaving a cleaner, smoother product.

Terpene Preservation
Minimizes terpene evaporation by maintaining stable humidity and temperature

Minor Cannabinoid Conversions
Balanced moisture and oxygen enable ongoing cannabinoid transformations post-harvest.

Moisture Redistribution
Buds equilibrate internally; Providing even moisture content.