

# ***Synthetic Cannabinoids and Synthetic Stimulants***

Missouri Safety Center  
University of Central Missouri

**Updated: May 1, 2013**

**Linking package art/pictures with  
laboratory chemical analysis reports**

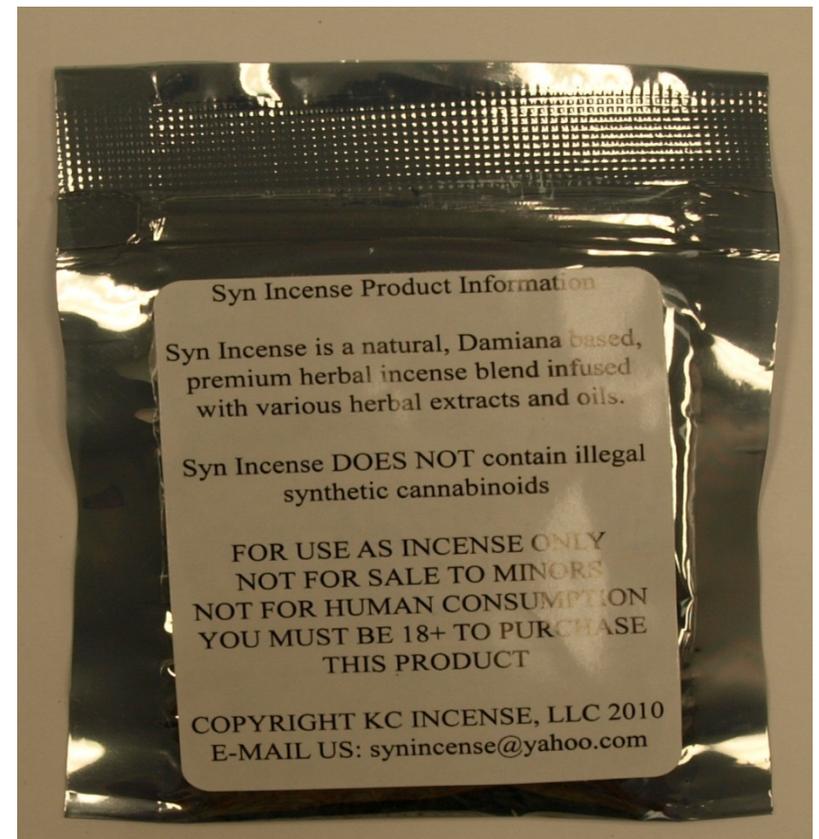
Notice: this is by far NOT a complete list. A package's contents cannot be assumed to be positive or negative for any chemical based only on its appearance.

# St. Joseph PD seizures



# SYN Swagg:

- St. Joseph PD
- AM-2201 and JWH-250
- April 2011



# SYN Lite: Strawberry

- St. Joseph PD
- AM-2201 and JWH-250
- April 2011



# SYN Vanilla

- St. Joseph PD
- AM-2201 and JWH-250
- April 2011



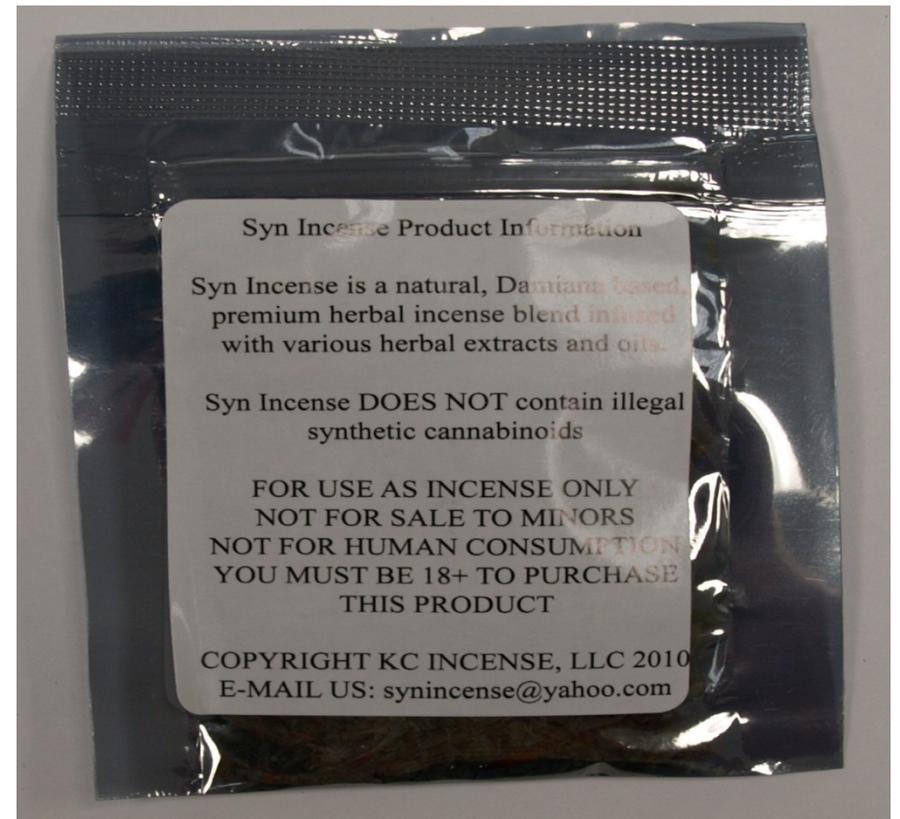
# SYN Lite: Cherry

- St. Joseph PD
- AM-2201 and JWH-250
- April 2011



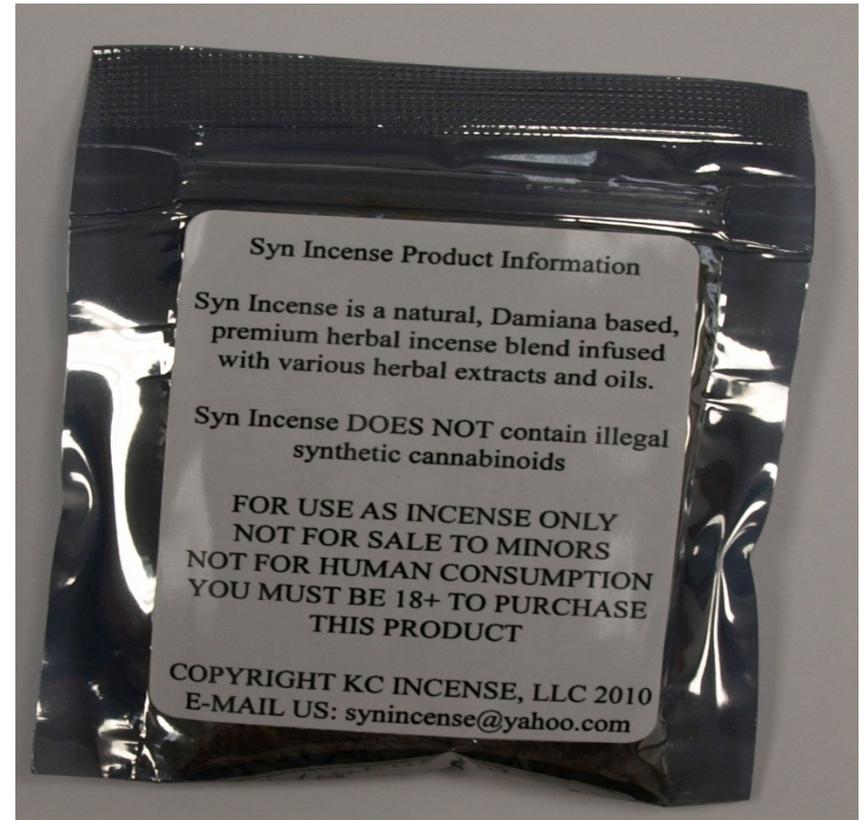
# SYN: Ripped

- St. Joe PD
- AM-2201 and JWH-250
- April 2011



# SYN: Smooth sample 1

- St. Joseph PD
- AM-2201 and JWH-250
- April 2011



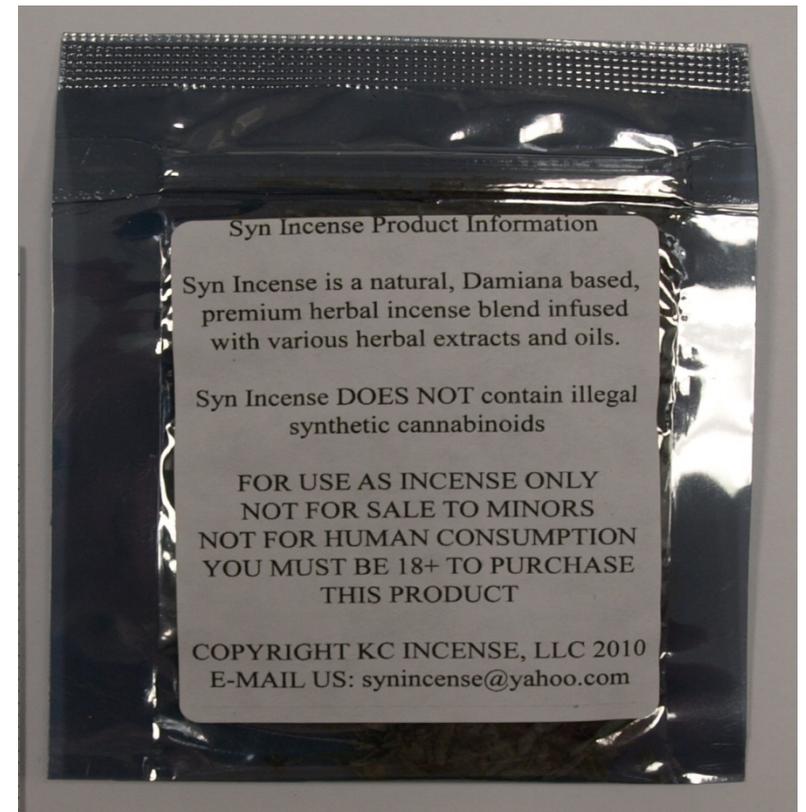
# SYN Smooth sample 2

- St. Joseph PD
- JWH-018, JWH-081 and JWH-200



# SYN: Suave

- St. Joseph PD
- JWH-210 and JWH-250
- April 2011



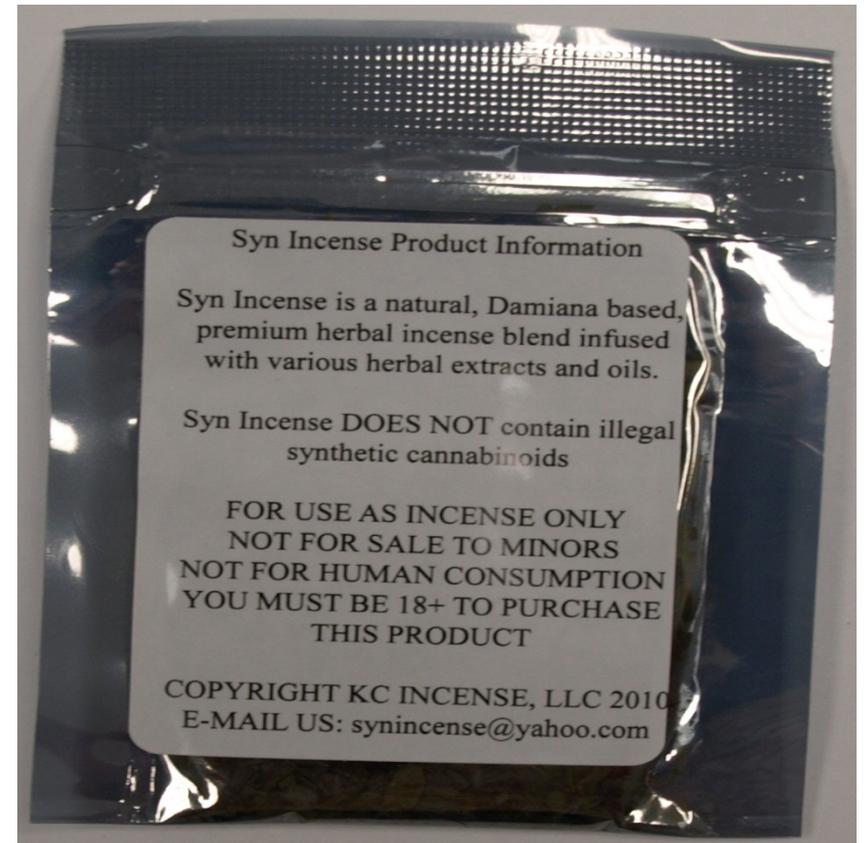
# SYN: Spearmint

- St. Joseph PD
- JWH-210 and JWH-250
- April 2011



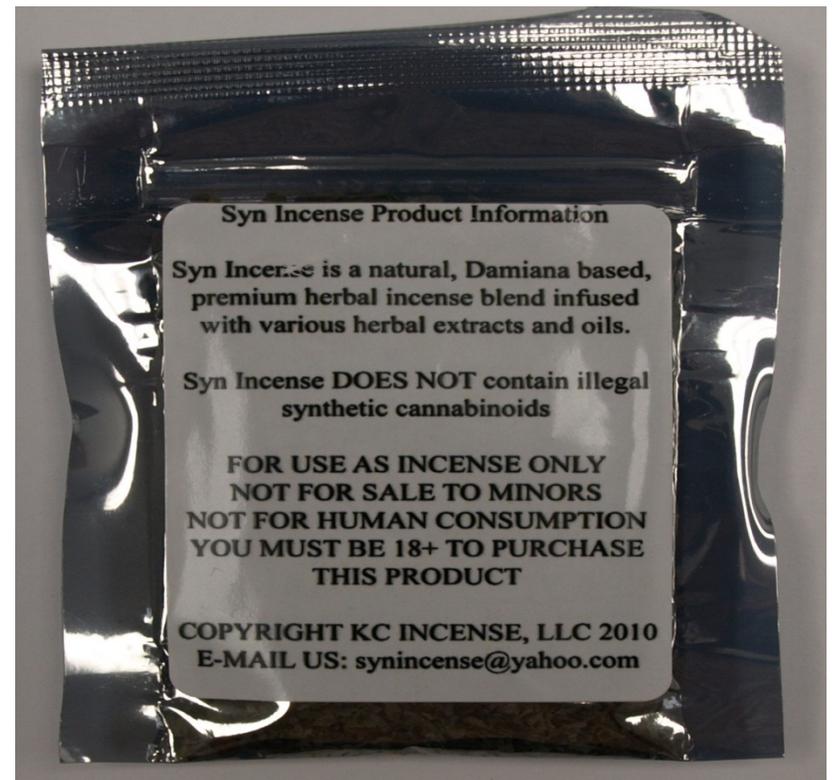
# SYN: Blonde

- St. Joseph PD
- AM-2201 and JWH-250
- April 2011



# SYN: Chill

- St. Joseph PD
- JWH-210, JWH-200, JWH-081 and JWH-250
- April 2011



# SYN: Chill appearance



# SYN: Berry-Faded

- St. Joseph PD
- AM-2201 and JWH-250
- April 2011



# SYN LITE: Orange

- St. Joseph PD
- AM-2201 and JWH-250
- April 2011



# HEAT: Purp

- St. Joseph PD
- JWH-250
- April 2011



# HEAT: Afghani

- St. Joseph PD
- JWH-250
- April 2011



# Pure Evil

- St. Joseph PD
- AM-2201
- April 2011



# Ed Hardy

- St. Joseph PD
- AM-2201 and JWH-250
- April 2011



# Ed Hardy: Kush

- St. Joseph PD
- AM-2201 and JWH-250
- April 2011



# Ed Hardy: Sexy Urban Crew

- St. Joseph PD
- AM-2201 and JWH-250
- April 2011



# Cloud 9: Premium

- St. Joseph PD
- JWH-250 and JWH-081
- March 2011



# Omega Red Potpourri

- St. Joseph PD
- JWH-250
- April 2011



# Purple XTC

- St. Joseph PD
- JWH-250 and JWH-018
- March 2011



# Cloud 10 Storm: Blueberry and Pineapple

- St. Joseph PD
- JWH-250 and JWH-081
- March 2011



# Freedom and Freedom .50 cal

- St. Joseph PD
- JWH-250 and JWH-081
- March 2011



# Hydro: Mango

- St. Joseph PD
- JWH-250 and JWH-081
- March 2011



# Kaytwo 5 Point

- St. Joseph PD
- JWH-250 and JWH-081
- March 2011



# LUST

- St. Joseph PD
- JWH-250 and JWH-081
- March 2011



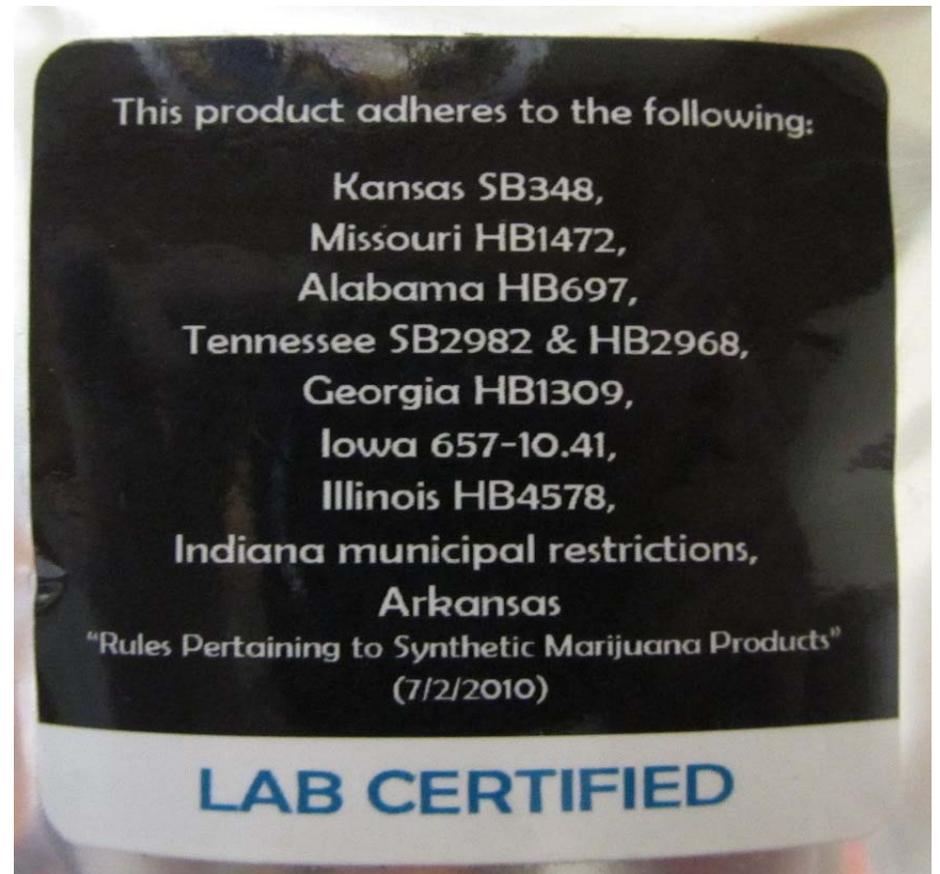
# Route 69

- St. Joseph PD
  - JWH-250 and JWH-081
  - March 2011
  - Note: why is the sale of this so-called incense “not for sale to minors??”
- Minors can't buy incense?



# Voodoo Doll

- St. Joseph PD
- JWH-250 and JWH-081
- March 2011



# SYN: Lemon Lime

- St. Joseph PD
- JWH-250 and JWH-081



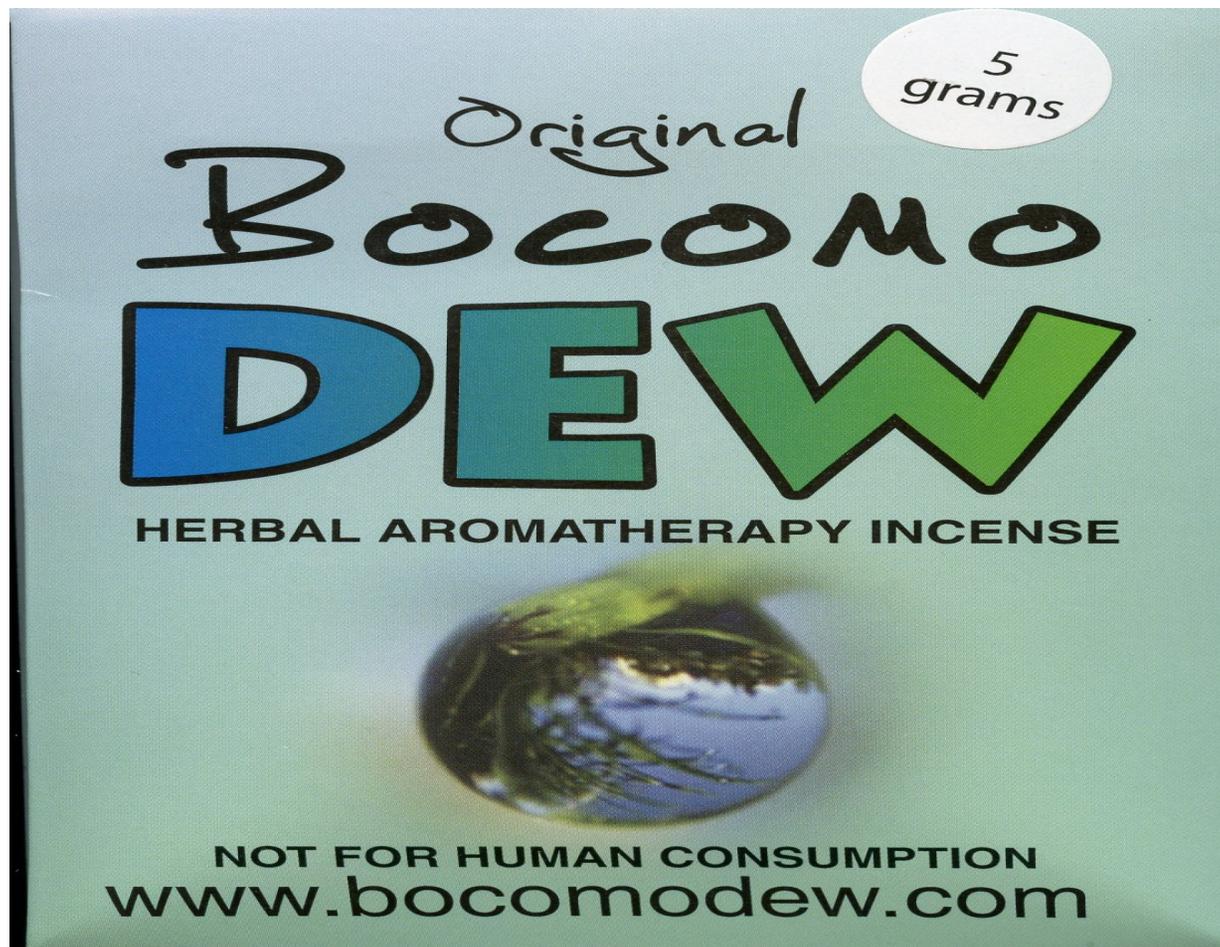
# The King

- JWH-250 and RCS-04

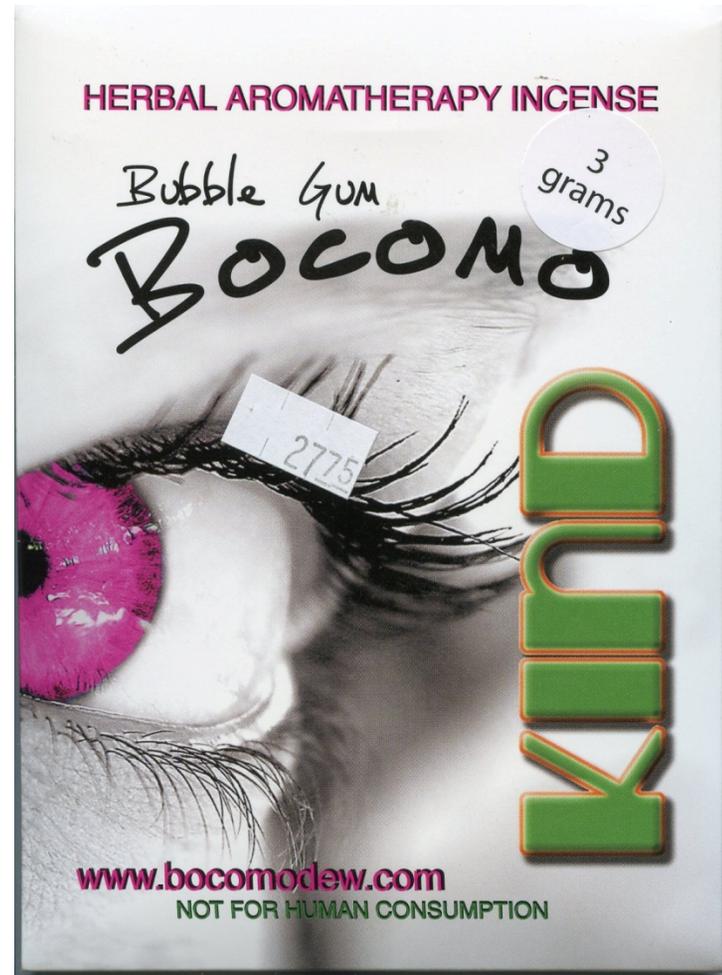
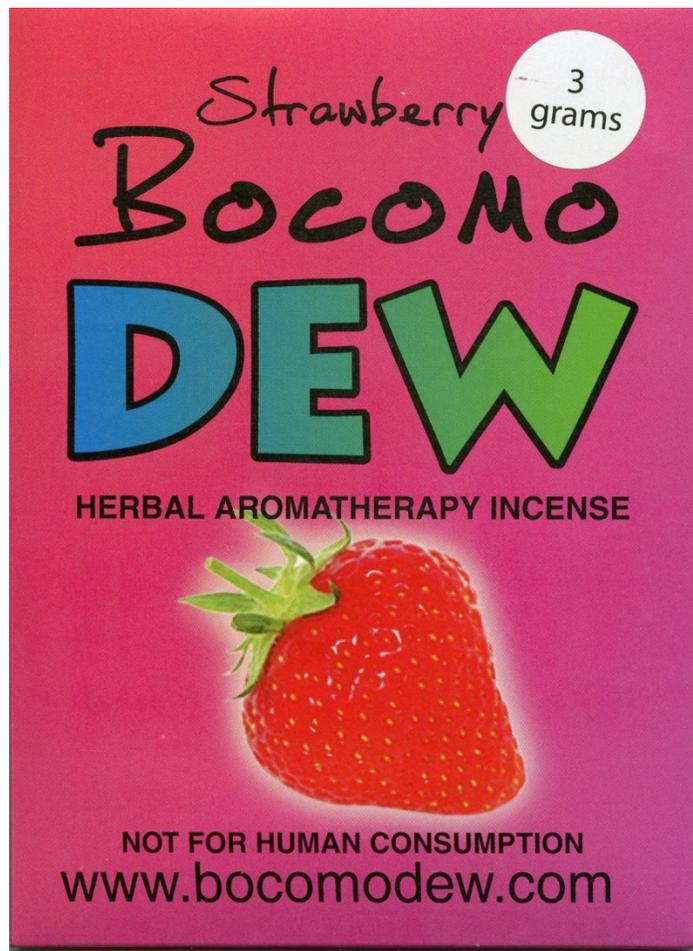


# Bocomo Dew

**JWH-250**



# Bocomo DEW: JWH-250



# Kick Dat Ass: JWH-018



# 6<sup>th</sup> Scent: Premium and Signature

## JWH-018

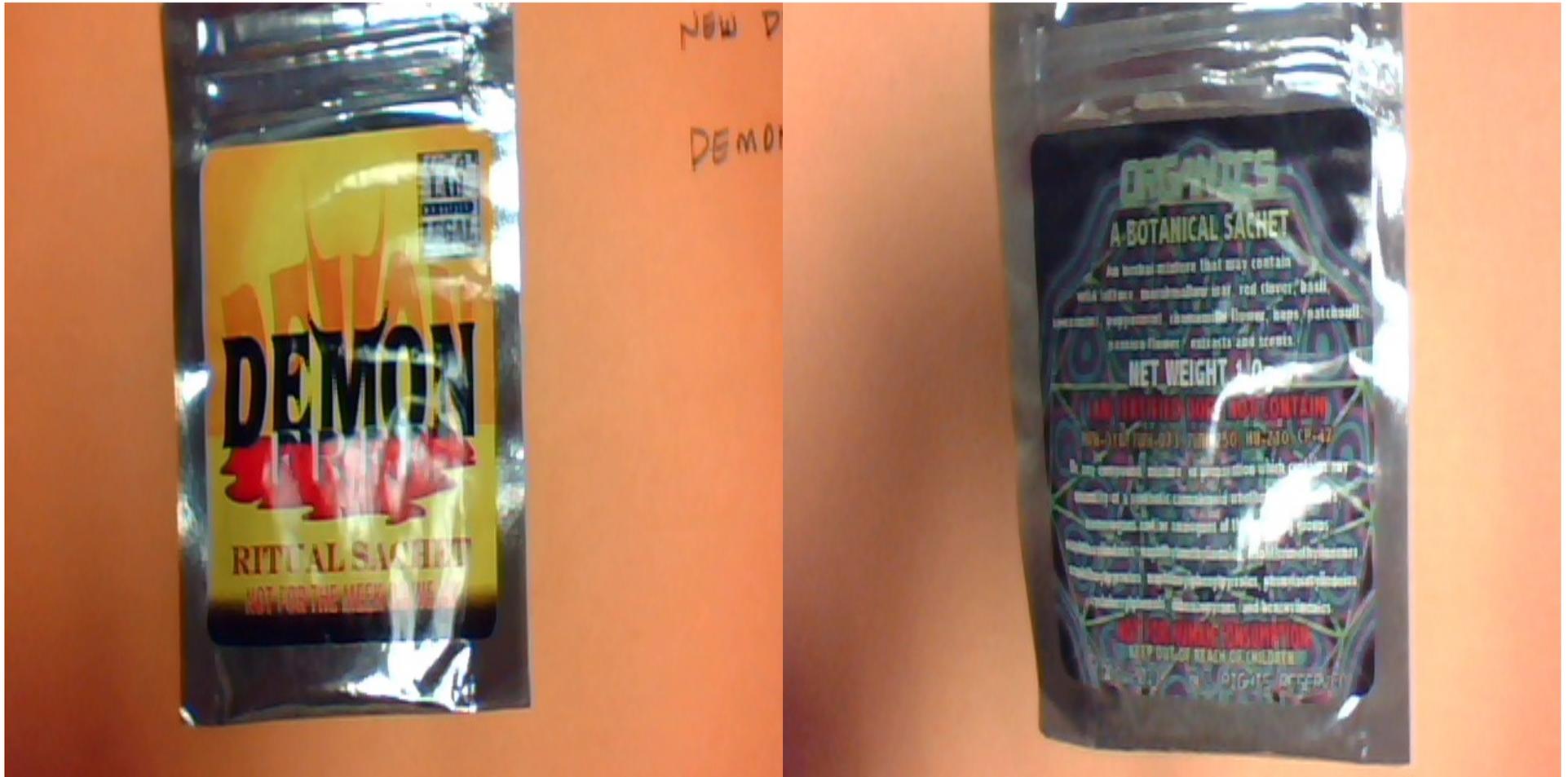


# Green Monster: JWH-250



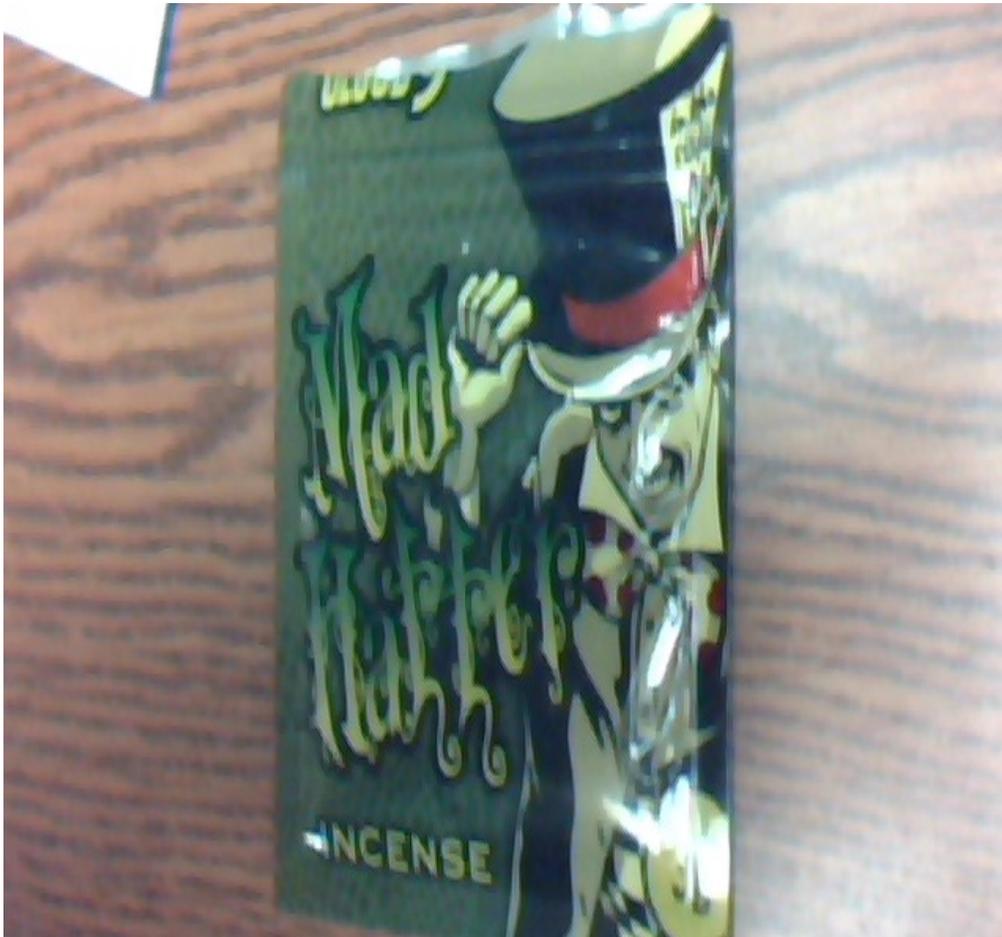
# Sedalia PD

Demon: URB-754 and URB-602



# Sedalia PD

- Mad Hatter: AM-2201 and JWH-022







# White Rabbit: Warrensburg, MO

- 5-MeO-DALT
- URB-754
- XLR-11
- URB-602
- AKB-48
- Tested September 2012.



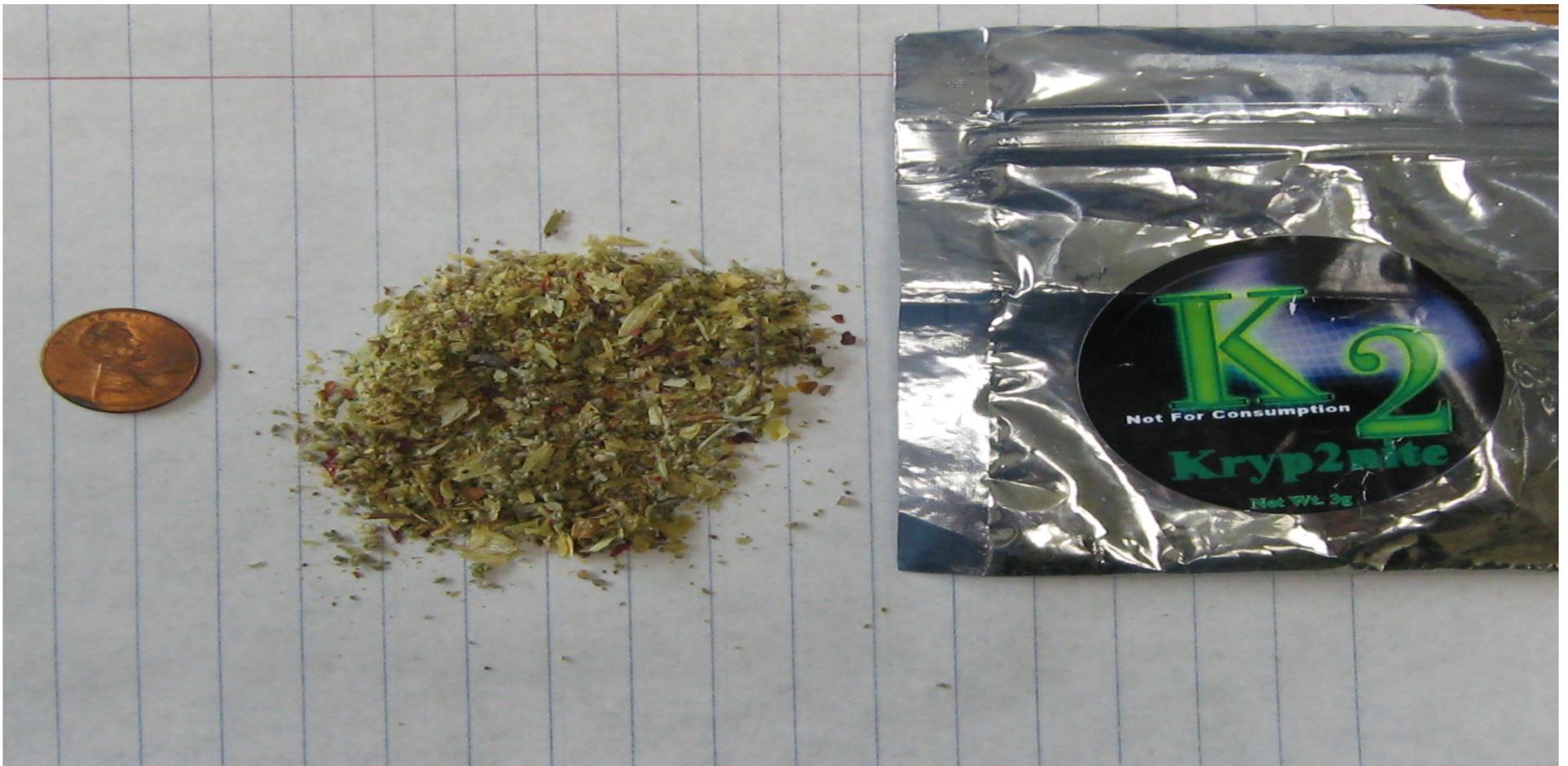
# Sedalia PD (batch #2)

Six Scents Honeysuckle: 5-MeO-DALT and URB-754



# Kryptonite: Kirksville PD

Tested positive for JWH-018 (December 2010)



# Mexico, MO DPS

MJ Strawberry, MJ Peach and MJ Irie: AM-2233



# McDonald County SD



JWH-022 / AM-2201



JWH-201 // AM-2201



JWH-210 // AM-2201



JWH-210 // AM-2201



JWH-0210 // AM-2201

# Sugar Creek PD



# Sugar Creek List

Item #	Packet Name	JWH 018	JWH 073	JWH 250	JWH 200	JWH 081	JWH 019	RCS-4	RCS-8	AM 694
1	Ed Hardy (Skull top hat)									
2	Ed Hardy (Snakes)									
3	Ed Hardy 4:20									
4	Ed Hardy Hydro									
5	Ed Hardy Kush									
6	K3 Legal Earth									
7	K3 Legal Heaven									
8	K3 Legal Dusk									
9	K3 Legal Sun									
10	K3 Legal Original									
11	K3 Legal Original									
12	Syn Incense Ripped									
13	Syn Incense Chill									
14	Syn Incense Spearmint									
15	Syn Incense Lemon Lime									
16	Syn Incense Smooth									
17	Syn Incense Smooth									
18	Syn Incense Suave									
19	Syn Incense Swagg									
20	Syn Incense Vanilla									
21	K-4 Supernova									
22	Zincense Cherry									
23	Zincense Original									
24	Freedom									
25	Cloud 10 Storm									
26	Groove Potpourri									
27	Christmas Kush									
28	C4 Herbal Incense									
29	Super Black Potpourri									

Item #22 (Zincense Cherry) had one aliquot that possessed all the major ions for AM-694 except the 415 ion. It was not marked on the chart as containing AM-694.

# K3 Legal: Sugar Creek PD JWH-250



# K3 Legal (Original): Sugar Creek PD JWH-250



# Ed Hardy

- Sugar Creek seizure
- Positive for: JWH-018, JWH-081 and JWH-250



# Ed Hardy Kush

- Sugar Creek Seizure
- Positive for: JWH-018, JWH-081 and JWH-250



Super Black Potpourri  
Sugar Creek PD: JWH-081



# Sugar Creek PD

JWH-019, JWH-200, JWH-250 and RCS-8



# Caution: Super Strong Incense

Source: MSHP

We do not yet know what this sample contains.



# Red Wolf (generic) incense

Source: MSHP

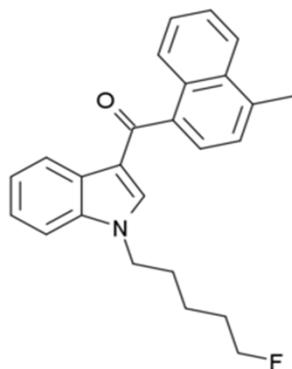
Not known at this time

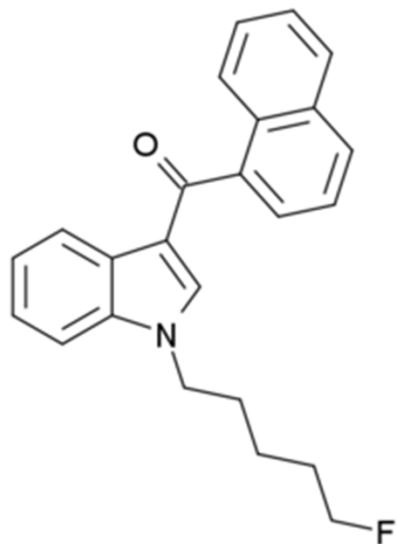


Paralyzing Passion Fruit  
Kansas City Metro area  
JWH-018 adamantyl carboxamide  
(structural analog of JWH 018)



# Black Mamba: Lees Summit MAM-2201 (analog of AM-2201 related to JWH-122)



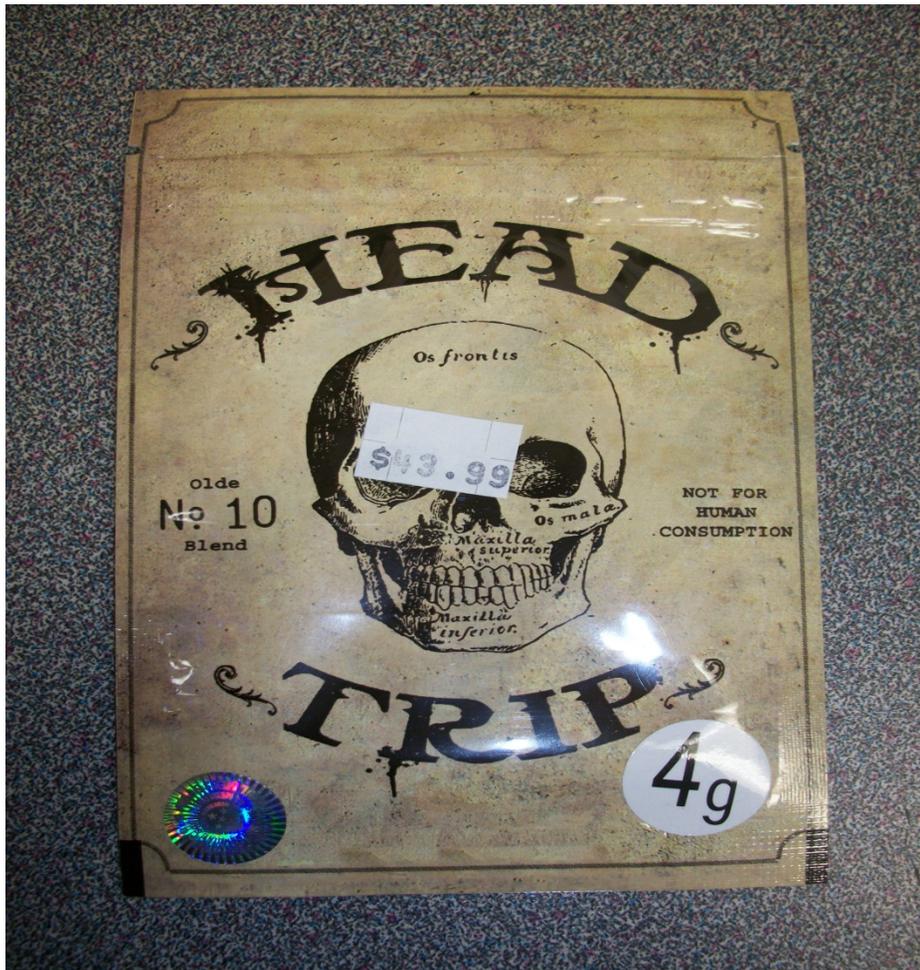


# Pandora: Lees Summit AM-2201



# Head Trip: Johnson Co, Missouri

## JWH-210 and JWH-122



# Johnson Co, KS Crime Lab

- Paradise and Bayou Blaster
- JWH-018 and JWH-073



# Johnson Co, KS Crime Lab

- Red Bird and Magic Spice
- JWH-018 and JWH-073



# Johnson Co, KS Crime Lab

- Voodoo Magic: JWH-018 and JWH-073
- Texas Gold: JWH-018



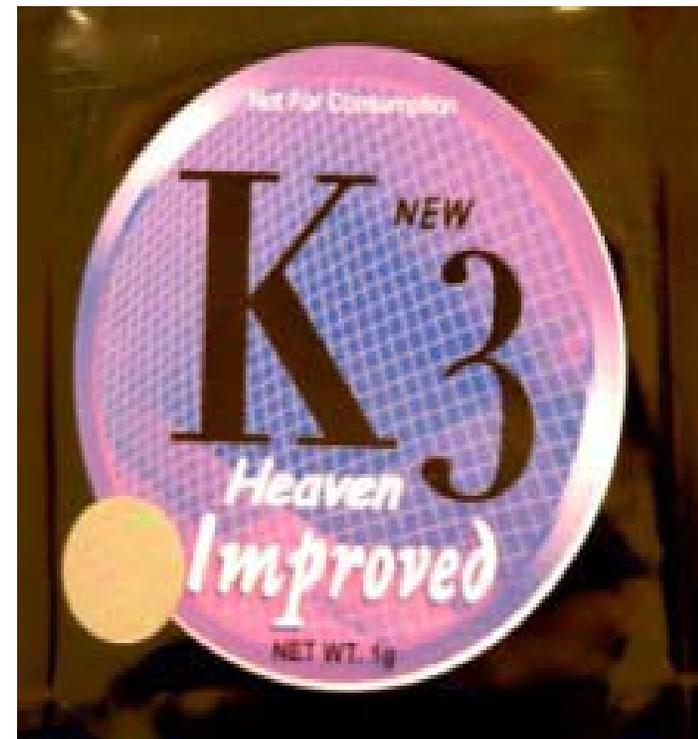
# Johnson Co, KS Crime Lab

- Demon: JWH-018 and JWH-073
- K3 Improved: JWH-018



# Johnson Co, KS Crime Lab

- K2 Pink Panties and K3 Heaven Improved
- JWH-018



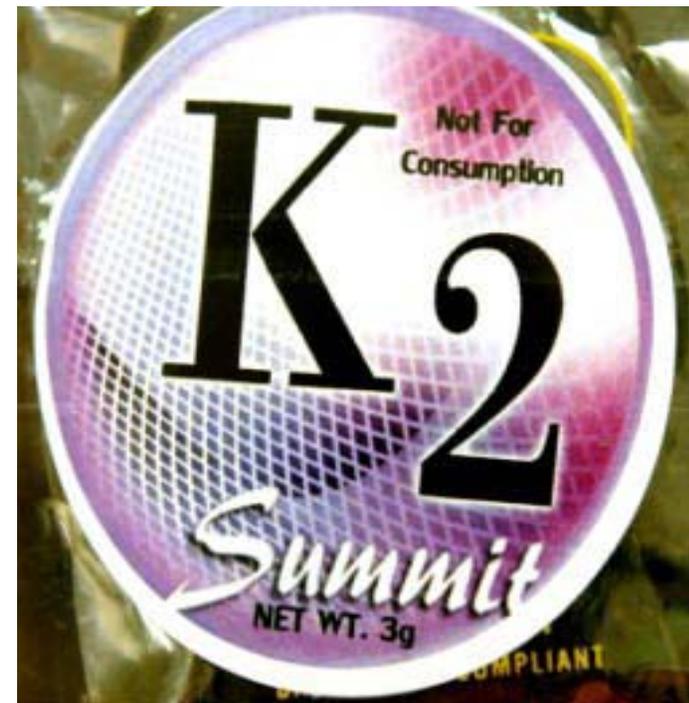
# Johnson Co, KS Crime Lab

- K3 “Sun” and K3 “Dusk”
- JWH-018



# Johnson Co, KS Crime Lab

- K3 Original "Improved" and K2 "Summit"
- JWH-018



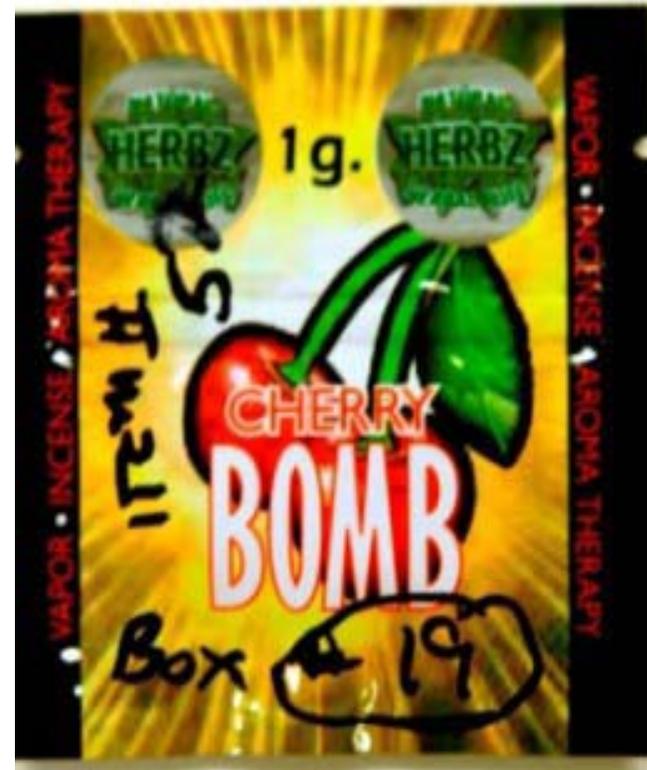
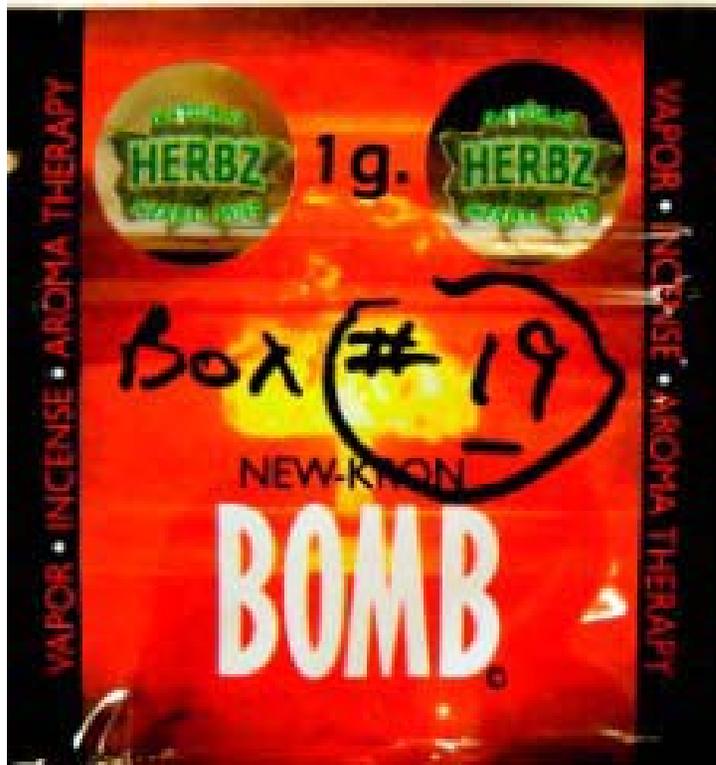
# Johnson Co, KS Crime Lab

- K3 “Earth” and K3 “Sea” Improved
- JWH-018



# Johnson Co, KS Crime Lab

- New-Kron Bomb and Cherry Bomb
- JWH-018



# Johnson Co, KS Crime Lab

- Rebel Spice: JWH-018
- Mega Bomb: JWH-073



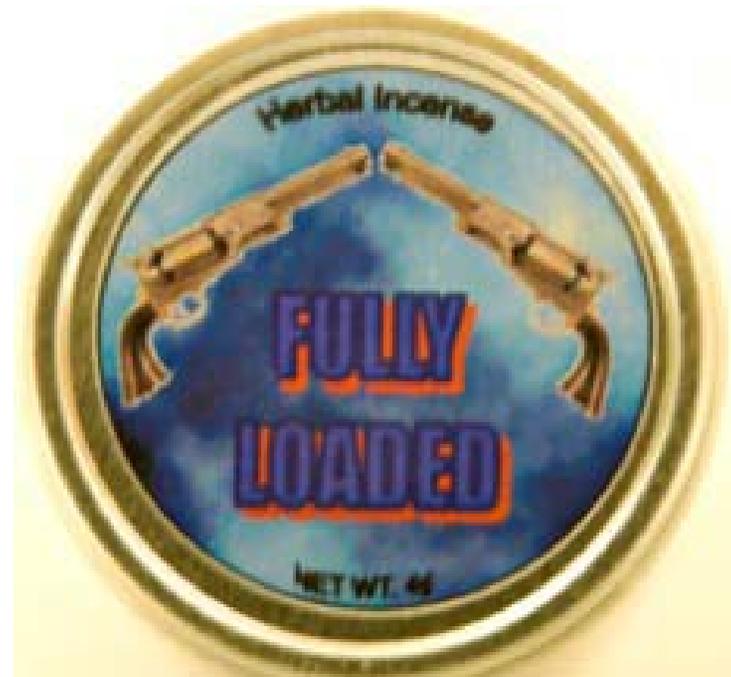
# Johnson Co, KS Crime Lab

- Mr. Smiley's: JWH-018
- Summer Skyy: JWH-081



# Johnson Co, KS Crime Lab

- Moe Joe Fire: JWH-018
- Fully Loaded: JWH-018



# Johnson Co, KS Crime Lab

- Da Block: JWH-018 and JWH-073
- K1 Orbit: JWH-018



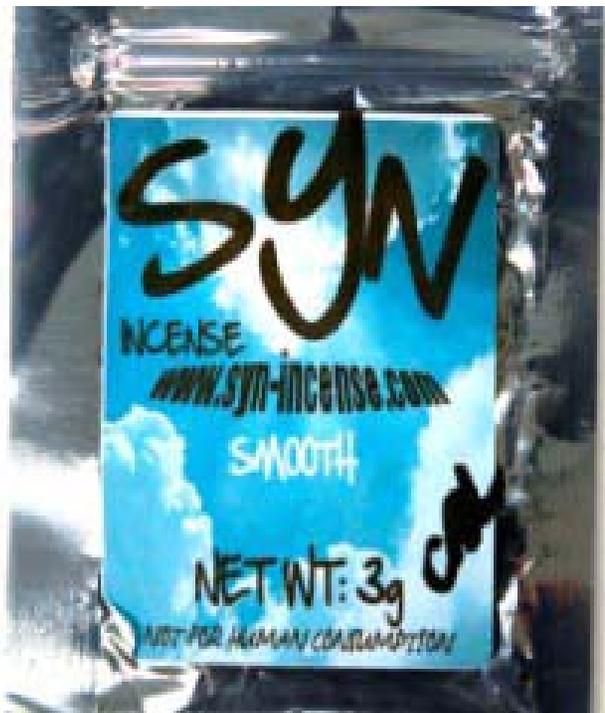
# Johnson Co, KS Crime Lab

- K2 “Gravity: JWH-018 and JWH-073
- C3: JWH-018



# Johnson Co, KS Crime Lab

- SYN Smooth, Spearmint and Lemon-Lime
- JWH-018



# Johnson Co, KS Crime Lab

- Super Summit: JWH-018
- D-Rail: JWH-018 and JWH-073



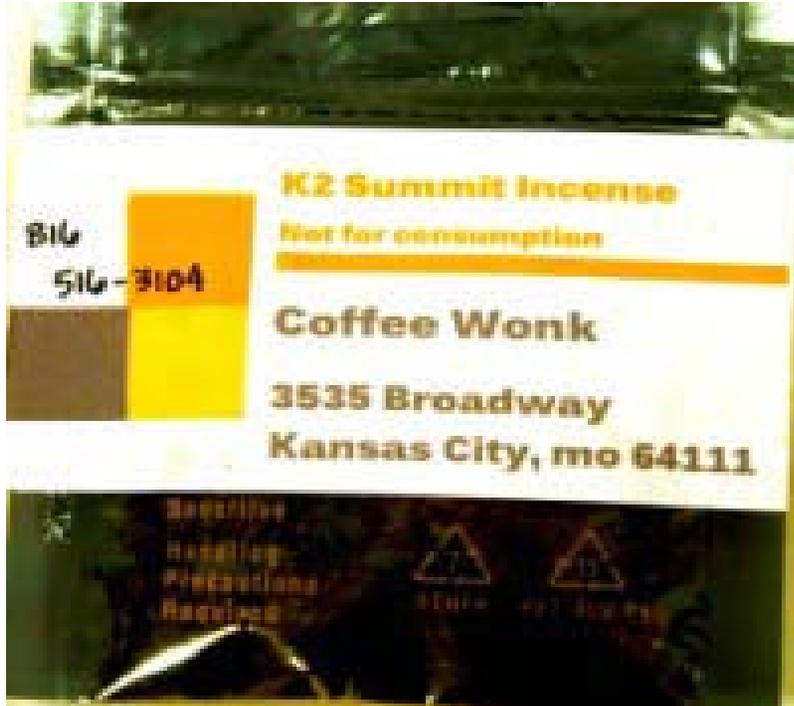
# Johnson Co, KS Crime Lab

- K2 Peach and Funky Monkey
- JWH-018



# Johnson Co, KS Crime Lab

- K2 Summit/Coffee Wonk in KCMO
  - JWH-018 and JWH-073
- K3 Original Legal: JWH-081 and JWH-250



# Johnson Co, KS Crime Lab

- K3 Legal Sun: JWH-081 and JWH-250
- K3 Legal Sea: JWH-018



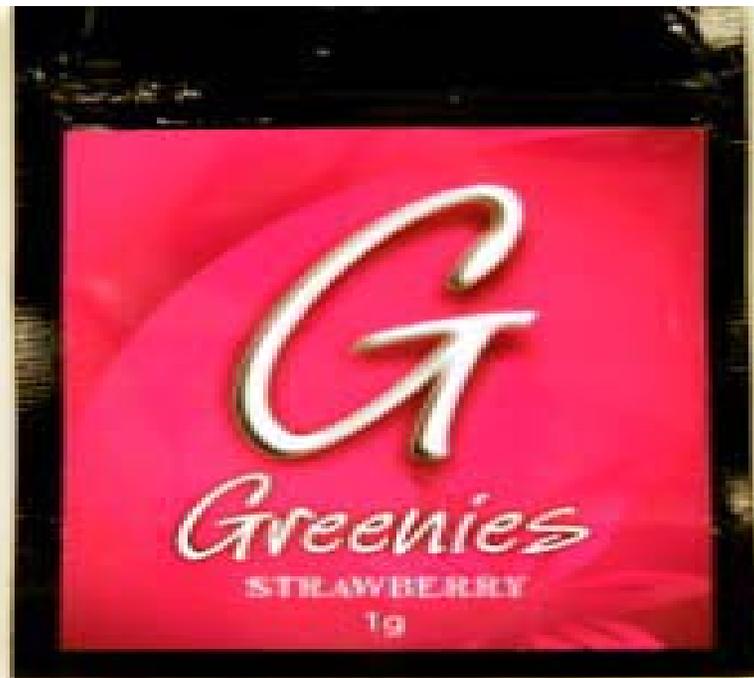
# Johnson Co, KS Crime Lab

- K3 Legal Earth: JWH-018
- K2 Cloud 9: JWH-018 and JWH-073



# Johnson Co, KS Crime Lab

- Greenies Strawberry: JWH-018 and JWH-073



# Madd Hatter from Fox 2 News

- This sample of Madd Hatter was tested by Fox 2 News in St. Louis, MO (June 2012).
- It contained a chemical known as AM2201. AM2201 is a synthetic cannabinoid and thus it is ILLEGAL here in Missouri as Schedule 1. Possession of more than 35 grams is a felony. Less than 35 grams is a misdemeanor.



# Primo contains something new.



- AKA: Mr. Nice Guy Primo.
- Found to contain a new chemical known as XLR-11 which is a cannabinoid mimetic and might not fall under Missouri's current 195 statute as an analogue of JWH-018.

**KUSH HYPNOTIC 20XXX Sample #1**  
**URB-754 and AM-2201.**  
**Springfield, MO area.**



**KUSH HYPNOTIC 20XXX Sample #2**  
**URB 754, AM 2201, JWH-022 and JWH-018**  
**(chloro-pentyl-homolog).**  
**Springfield, MO area.**



**White Widow 5X**  
**AM-2201, URB-597/JP104, URB-754 and**  
**JWH-022 from the Springfield, MO area.**



# B2 Da Bomb Blueberry

**Contained: URB-754, AM-2201, JWH-022 and JWH-018 (chloro-pentyl-homolog) found in the Springfield, MO area.**



# Conviction 20XXX

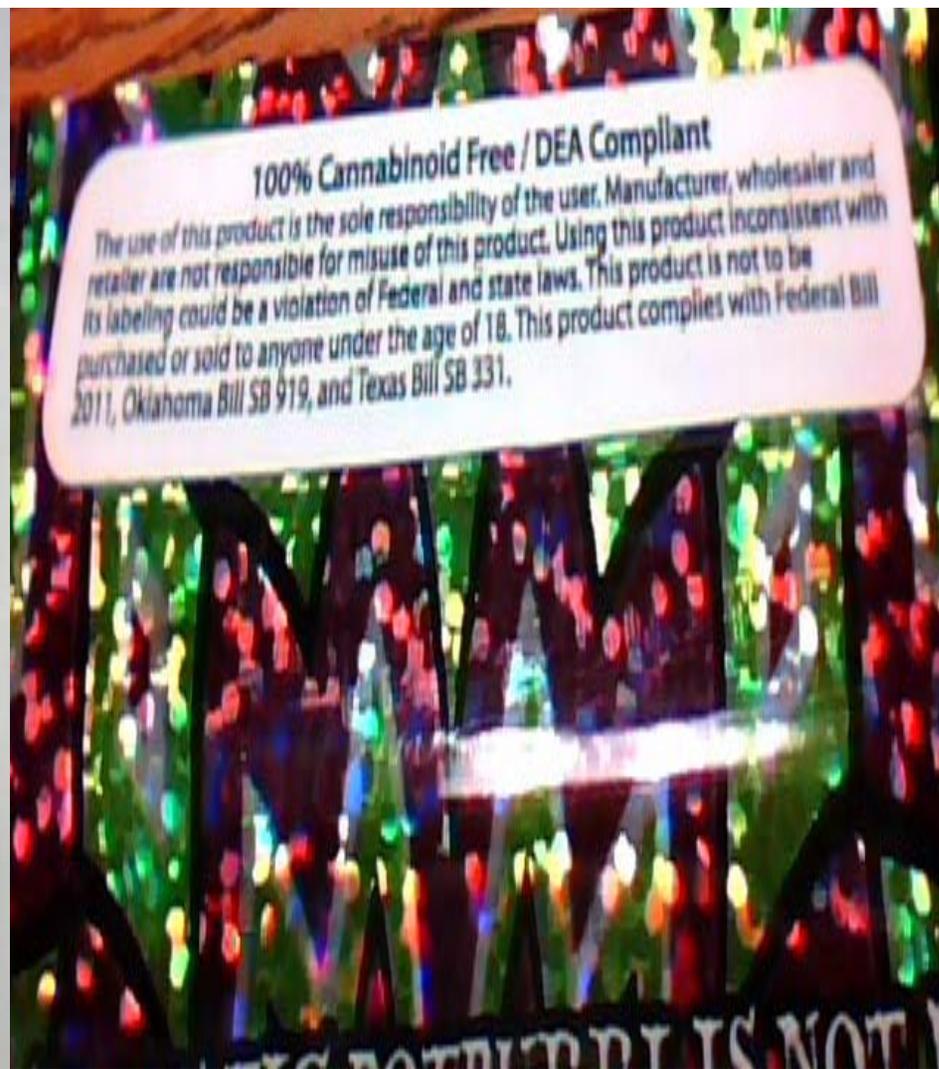
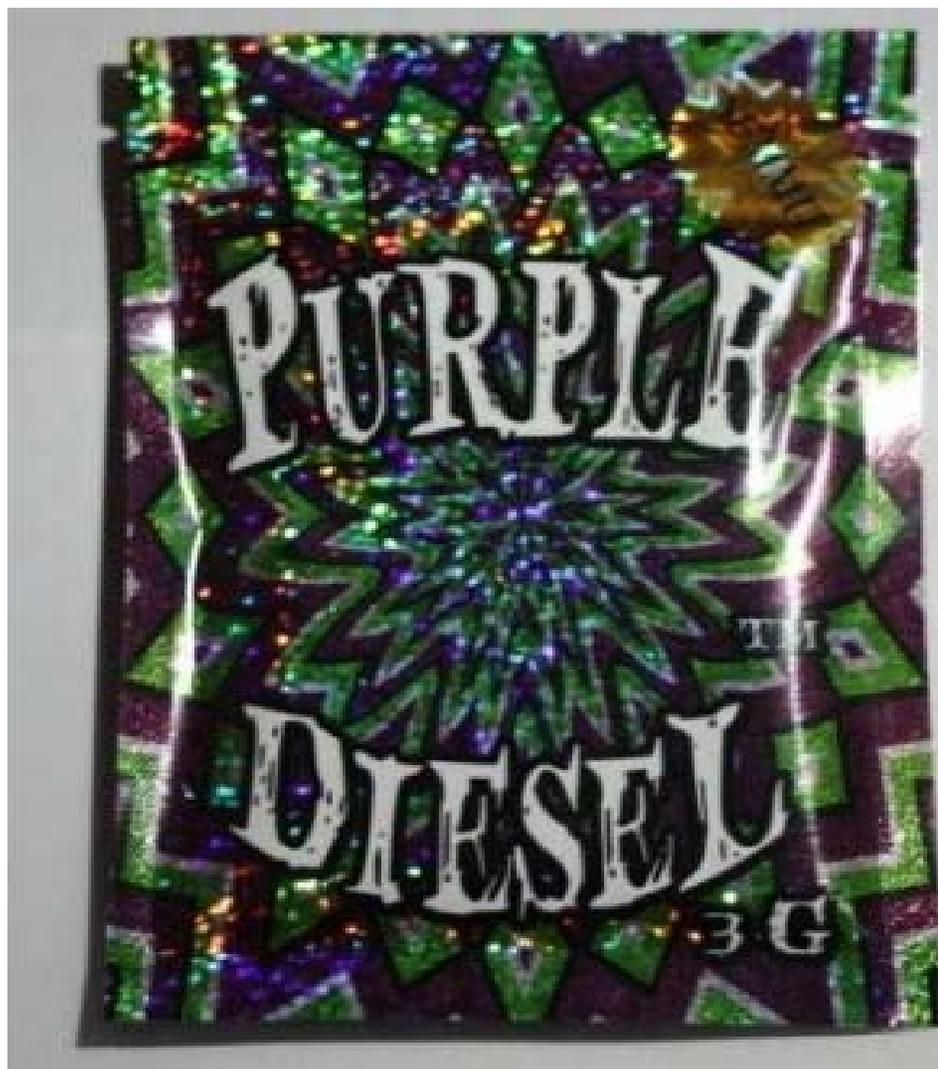
Sample 1: URB-754 and AM-2201

Sample 2: URB-754, AM-2201, JWH-022 and  
JWH-018 (chloro-pentyo-homolog)

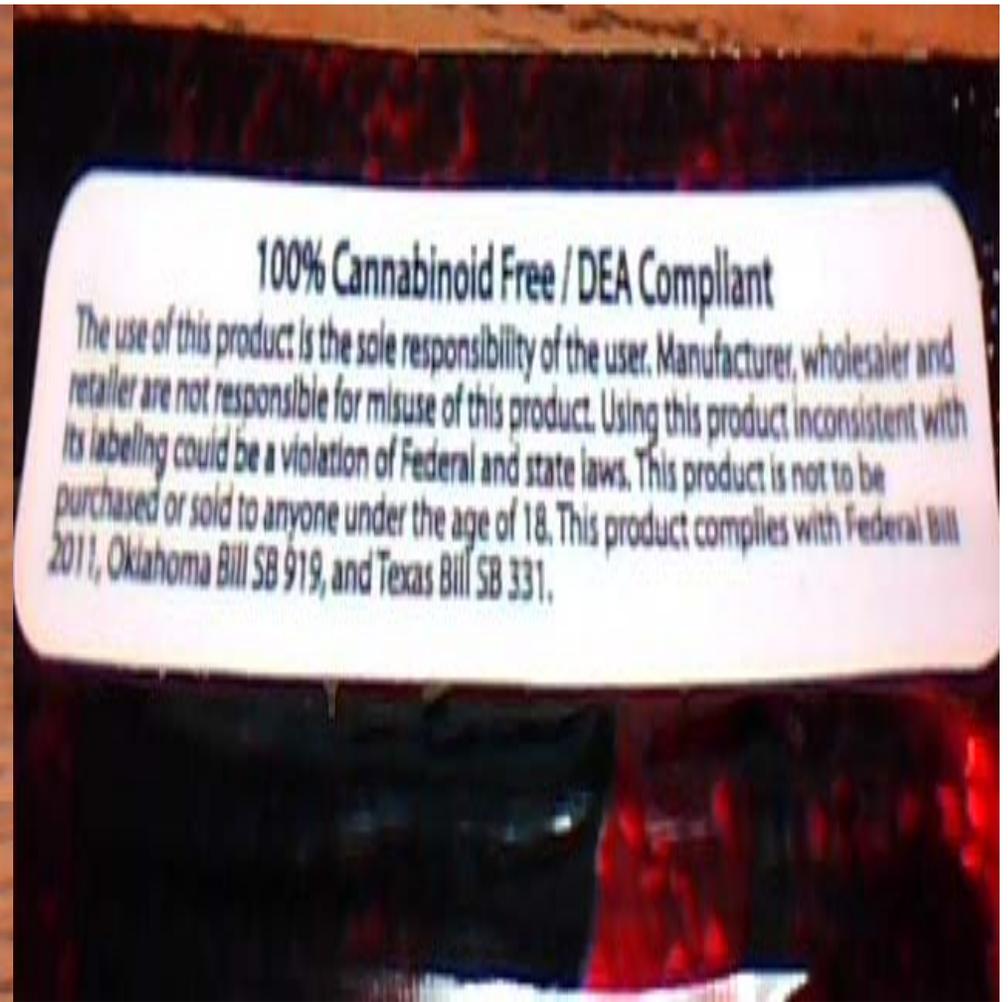
Found in the Springfield, MO area.



**Purple Diesel: MAM-2201 (an analogue of AM-2201). Found in the Springfield, MO area.**

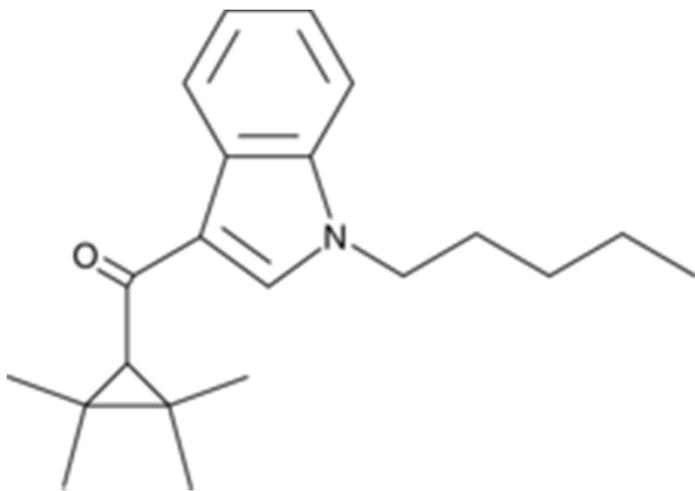


**Hydro: MAM-2201 (an analogue of AM-2201) found in the Springfield, MO area.**



# Mayan Aromatherapy

- Contained:
  - UR-144



# Sweetleaf: Audrain County

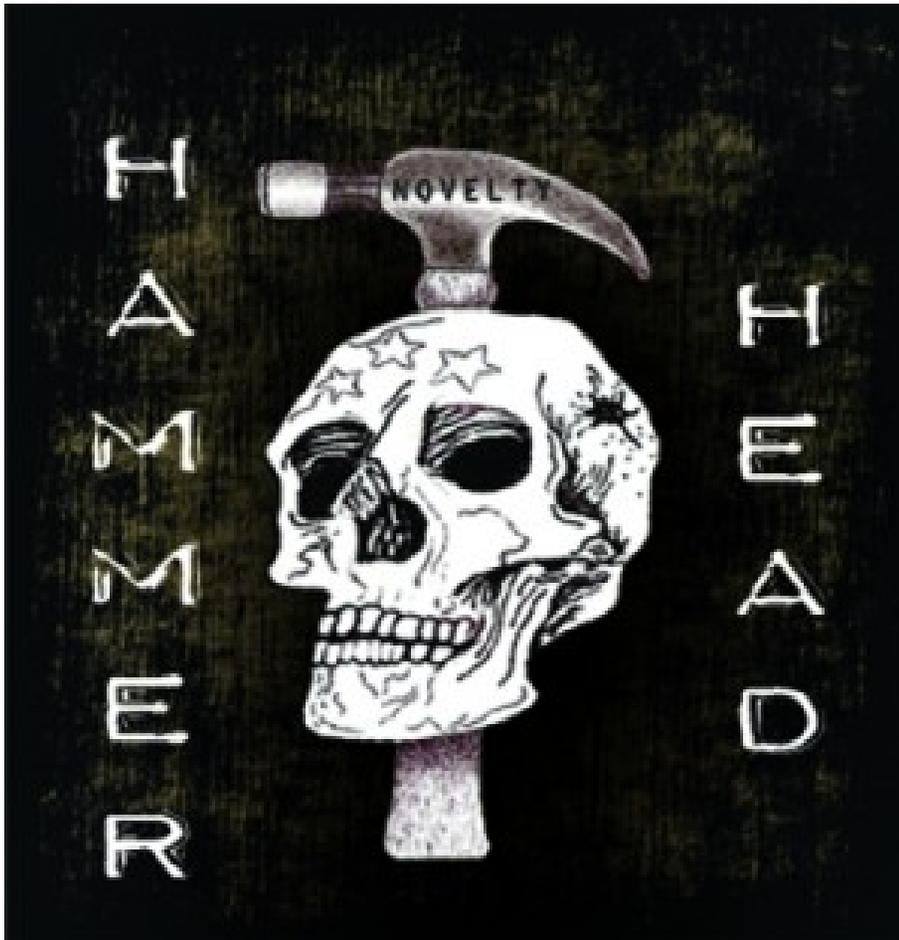


- Contained UR-144 which is a cannabimimetic and may not be controlled under federal law. Unsure as to its status here in Missouri but it may be an analogue. Depending on how it is used/sold/represented it is likely to be an imitation controlled substance at the very least.

**Jolly Roger XXX-TREME: XLR-11**  
**Diamond Angel: JWH-018 adamantyl carboxamide**  
**(JWH-018 analogue)**



# SW Missouri region



- Sample 1: AM-2201
- Sample 2: AM-2201 and JWH-018 chloropentyl analog.
- Sample 3: AM-2201
- Sample 4: AM-2201

# Synthetic Stimulant examples

Tested by Fox 2 News out of St. Louis, MO in 2011. Chemical analysis showed the presence of MDPV.

MDPV is banned here in Missouri as a SCHEDULE ONE drug. Possession of any amount is a felony.



# Synthetic Stimulant examples

Tested by Fox 2 News  
in St. Louis, MO in  
2010.

Chemical analysis  
showed the presence  
of Lidocaine and  
MDPV.

MDPV is a banned  
Schedule One  
substance in Missouri.  
Lidocaine is a  
commonly used in  
medical treatment as  
anesthetic agent.



# Synthetic Stimulant examples



Fox 2 News had this tested; result was: Pentedrone. Pentedrone is one of many analogues of a family of chemicals known as CATHINONES. Cathinones are banned and illegal here in Missouri and are listed as SCHEDULE ONE. Source of this information is:

<http://www.caymanchem.com/app/template/Product.vm/catalog/11011>

# Synthetic Stimulant example

- MSHP (Missouri State Highway Patrol) seizure of Mephedrone during a traffic stop. **Mephedrone** is a designer drug structurally similar to ecstasy. It is also in the Cathinone family and thus illegal here in Missouri as a Schedule ONE drug.



# Synthetic Stimulant examples

- Pump-It! Powder has been tested by the St. Charles County Crime Lab and found to contain Pentedrone. Pentedrone is one of many analogues of a family of chemicals known as CATHINONES. Cathinones are banned and illegal here in Missouri and are listed as SCHEDULE ONE. Source of this information is:  
<http://www.caymanchem.com/app/template/Product.vm/catalog/11011>



# Pump It 18 “party powder”



- Two samples of Pump It 18 have been tested.
- Sample #1: Pentedrone and Benzocaine
- Sample #2: Pentedrone, Benzocaine and JWH-210
- Sample #3: Pentedrone and Procaine
  
- Apparently the makers of these products are starting to mix in synthetic cannabinoids into some samples of Pump It.

# Pentedrone and Benzocaine

- Pentedrone: 2-(methylamino)-1-phenylpentan-1-one is a substituted cathinone with stimulant effects and is considered an analogue of the US Federal Schedule I substance methcathinone.
- Benzocaine and Procaine: are local anesthetics commonly used as a topical pain reliever or in cough drops. It is the active ingredient in many over-the-counter anesthetic ointments.

# What is happening today?

- It is becoming obvious the suppliers and distributors are combining both synthetic stimulants and cannabinoids together.
- We know these chemicals are very dangerous and unpredictable separately. When used in combination, the results could be catastrophic due to the severity and unexpected intensity of the psycho-active “high”. It may very well overwhelm the user’s physical and mental ability to endure it.

# Our response

- Control the chemicals at both the Federal and State level.
- Use the power of municipal/county ordinances to ban the sales of these products.
- Force local prosecutors and police to use the power of search warrants and investigations to locate distributors and SHUT THEM DOWN.
- Many business are making HUNDREDS of thousands of dollars selling these products. Where is this money going? Who is profiting from this vast sums of money?
- Revoke business licenses of any/all those who distribute/sell any of these substances.
- Use the power of CAFA (Criminal Asset Forfeiture Act) to seize the assets (\$\$\$\$) and property of those who are involved in this criminal enterprise.
- Remember: these are not “back alley” meth cooks. They are “respectable” businessmen/women who are knowingly selling dangerous substances and profiting from them.

# NMS LABS: good source for info!

- [Information!](#)
- <http://www.nmslabs.com/about-webinars-presentations>
- [www.designerdrugtrends.org](http://www.designerdrugtrends.org)
- [www.druganalogs.org](http://www.druganalogs.org)
- Sample testing!
- <http://www.nmslabs.com/sample-submission>
- If you find suspected samples of synthetic drugs submit it to NMS labs for testing.

- Check back periodically. This is a work in progress.
- If you have pictures (with chemical analysis reports) you would like us to add, send them to me and I will add them to this presentation.
- Thank you!

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