

Sample Number: #1



**Description:** Kitchen Scales

A sample of white powder was recovered from the surface of the kitchen scales.

**Weight:** N/A

**Preliminary Analysis:**

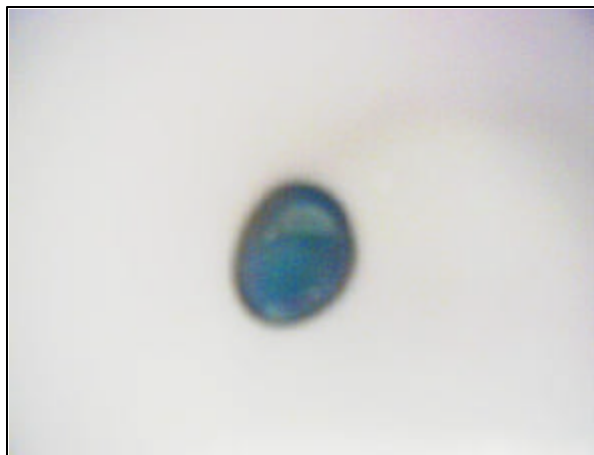
**1. Spot Test 1**

The sample produced the following response with cobalt thiocyanate reagent.



**2. Spot Test 2**

The sample produced the following response with marquis reagent.



### 3. TLC

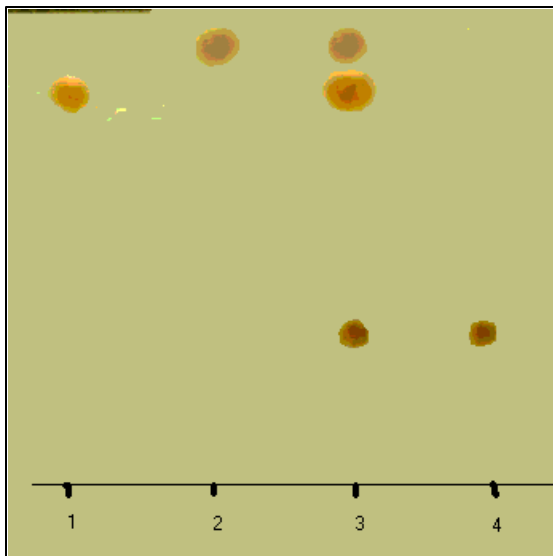
A sample of the white powder was dissolved in methanol and spotted for TLC. The following results were obtained:

#### Running Conditions:

Cell solvent - Davidow (Ethyl Acetate:Methanol:Ammonium Hydroxide 85:10:5)

Spray sequence - SW UV, LW UV, Fluram, LW UV, Ludy Tenger, Sodium Nitrite, Cupric Chloride.

- Spot 1. Cocaine standard
- Spot 2. Lidocaine Standard
- Spot 3. Sample 1
- Spot 4. Methylenedioxyamphetamine (MDMA) standard



### 4. No further preliminary tests were conducted.

Confirmation Analysis: N/A

### Sample Number: #2



**Description:** White powder in Ziploc bag – condition dry

**Weight:** 1500g

#### Preliminary Analysis:

##### 1. Spot Test

A few milligrams of the powder produced a positive result with cobalt thiocyanate reagent.

##### 2. TLC

A few milligrams of the sample were dissolved in methanol and spotted for TLC. The following results were obtained:

**Running Conditions:**

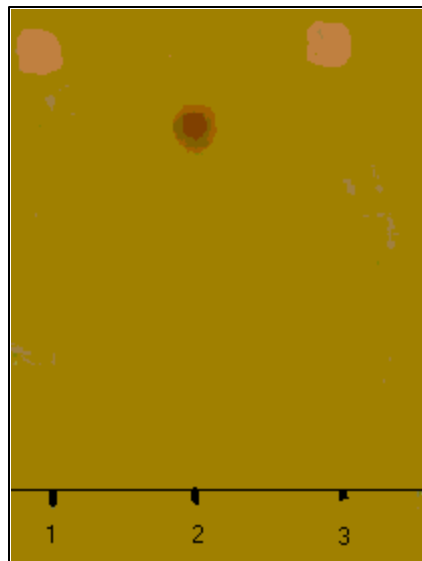
Cell solvent - Davidow (Ethyl Acetate:Methanol:Ammonium Hydroxide 85:10:5)

Spray sequence - SW UV, LW UV, Fluram, LW UV, Ludy Tenger, Sodium Nitrite, Cupric Chloride.

- Spot 1. Lidocaine standard
- Spot 2. Cocaine standard
- Spot 3. Sample 2

3. No further preliminary tests were conducted.

Confirmation Analysis: N/A



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**Sample Number: #3**



**Description:** \$20 Bills – US currency – 2 rolls each containing 50 Bills

**Weight:** N/A

**Preliminary Analysis:**

1. **Spot Test**

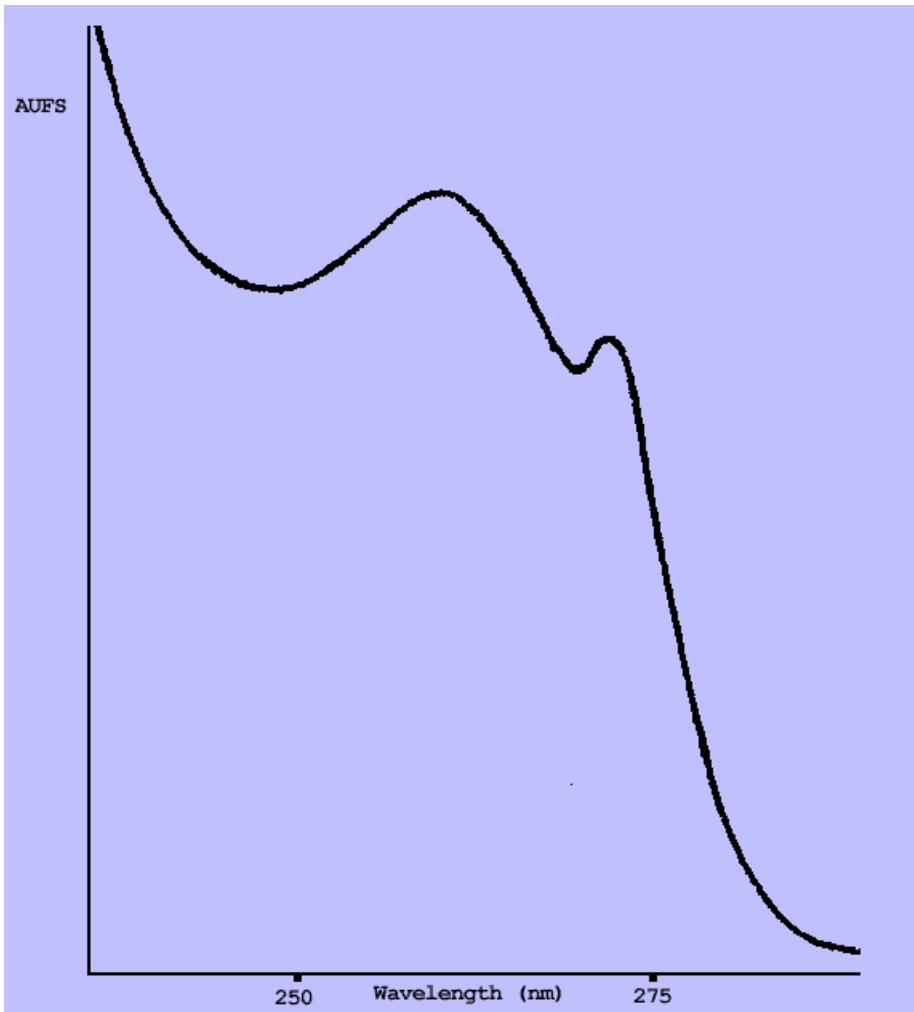
The outer bills from each roll were rinsed with a small quantity of methanol. A drop of solution produced no reaction with cobalt thiocyanate reagent

2. **TLC**

Insufficient sample for TLC

3. **UV Spectroscopy**

An aliquot of the sample was monitored between 210-300nm. UV spectrum shown below:



4. No further preliminary tests were conducted.

Confirmation Analysis: N/A

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**Sample Number:** #4



**Description:** Glass mirror contaminated with white powder

**Weight:** N/A

## Preliminary Analysis:

### 1. Spot Test

A scraping of powder from the mirror produced a positive reaction with cobalt thiocyanate reagent.

### 2. TLC

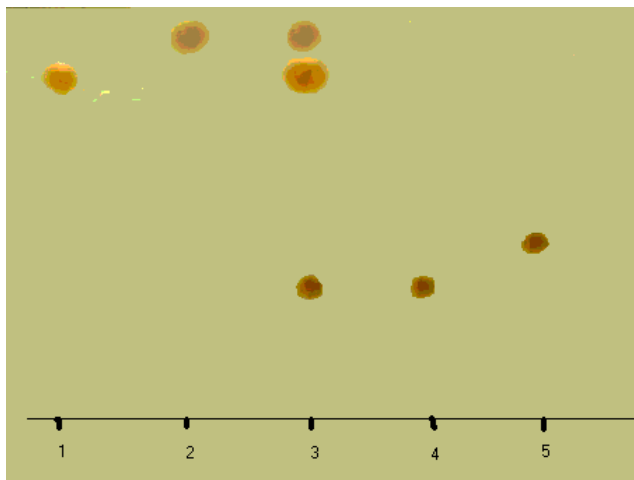
Scrapings of the powder were dissolved in methanol and spotted for TLC. The following results were obtained:

#### Running Conditions:

Cell solvent was Davidow (Ethyl Acetate:Methanol:Ammonium Hydroxide 85:10:5)

Spray sequence - SW UV, LW UV, Fluram, LW UV, Ludy Tenger, Sodium Nitrite, Cupric Chloride.

Spot 1. Cocaine standard  
Spot 2. Lidocaine standard  
Spot 3. Sample 4.  
Spot 4. MDMA  
Spot 5. Amphetamine



### 3. No further preliminary tests were conducted.

Confirmation Analysis: N/A

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**Sample Number:** #5



**Description:** Green herbal material

**Weight:** 1200g

### **Preliminary Analysis:**

**1. Spot Test**

Some of the green herbal material was extracted with petroleum ether and produced a negative reaction with Duquenois Neghms reagent.

**2. Microscopy**

Some of the herbal material was treated with chloral hydrate and mounted in "Wetmount" mounting reagent and viewed with a coverslip at 100x magnification using a light microscope. Microscopical examination did not show cellular features consistent with the presence of Cannabis sativa.

**3. No further preliminary tests were conducted.**

**Confirmation Analysis: N/A**

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### **Sample Number: #6**



**Description:** Suspected drug paraphernalia in the form of a short (3 inch) clear plastic hollow tube with 0.5 cm diameter

**Weight:** N/A

### **Preliminary Analysis:**

**1. Spot Test 1**

Methanol washings from the tube produced a negative result with cobalt thiocyanate.

**2. Spot Test 2**

Methanol washings from the tube produced a negative result with marquis reagent.

**3. Spot Test 3**

Methanol washings from the tube produced a negative result with Dragendorfs reagent.

**4. No further preliminary tests were conducted.**

**Confirmation Analysis: N/A**

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**Sample Number: #7**



**Description:** Tequila liquor bottle containing fluid

**Weight:** Volume 530ml

**Preliminary Analysis:**

**1. Spot Tests**

No spot tests were conducted.

**2. TLC**

A 50 ml aliquot of the bottle contents was made basic with ammonium hydroxide and extracted into chloroform, evaporated, and spotted for TLC.

The following results were obtained:

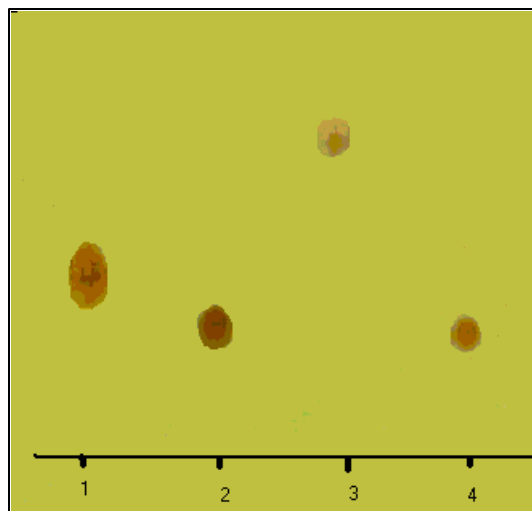
**Running Conditions:**

Cell solvent - Methanol:Ammonium Hydroxide (100:1.5)

Spray sequence - SW UV, LW UV, Fluram, LW UV, Ludy Tenger, Sodium Nitrite, Cupric Chloride.

- Spot 1. Amphetamine Standard
- Spot 2. Methamphetamine standard
- Spot 3. Sample
- Spot 4. MDMA standard

**3. No further preliminary tests were conducted.**



**Confirmation Analysis: N/A**

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**Sample Number: #8**



**Description:** Port wine bottle containing some liquid

**Weight:** Volume 60ml

**Preliminary Analysis:**

**1. Spot Tests**

No spot tests were conducted

**2. TLC**

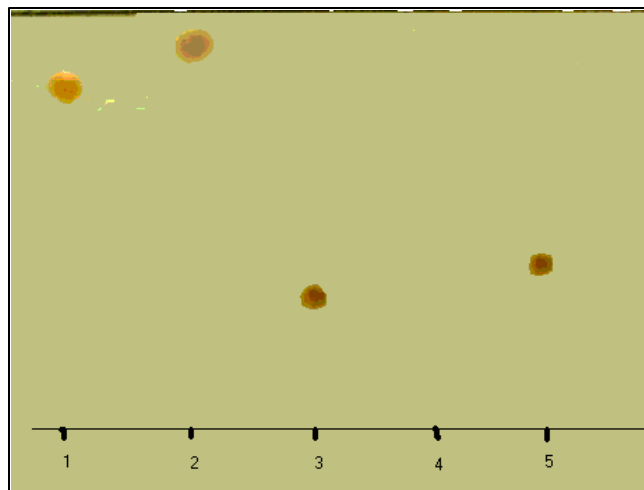
A 20 ml aliquot of the bottle contents was made basic using ammonium hydroxide, extracted with chloroform, evaporated, and spotted for TLC. The following results were obtained:

**Running Conditions:**

Cell solvent - Davidow (Ethyl Acetate:Methanol:Ammonium Hydroxide 85:10:5)

Spray sequence - SW UV, LW UV, Fluram, LW UV, Ludy Tenger, Sodium Nitrite, Cupric Chloride.

- Spot 1. Cocaine
- Spot 2. Lidocaine
- Spot 3. MDMA
- Spot 4. Sample 8
- Spot 5. Amphetamine



**3. No further preliminary tests were conducted**

**Confirmation Analysis: N/A**



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**Sample Number: #9**



**Description:** Rock like substances (6 pieces)

**Weight:** Each rock weighed approximately 200mg

**Preliminary Analysis:**

**1. Spot Test**

A scraping of one rock produced a positive result with cobalt thiocyanate reagent

**2. TLC**

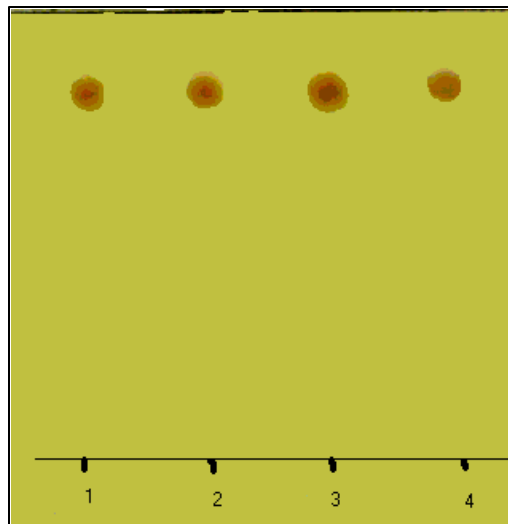
Scrapings from each of two rocks were dissolved in chloroform and each spotted for TLC. The following results were obtained:

**Running Conditions:**

Cell solvent - Davidow (Ethyl Acetate:Methanol:Ammonium Hydroxide 85:10:5)

Spray sequence - SW UV, LW UV, Fluram, LW UV, Ludy Tenger, Sodium Nitrite, Cupric Chloride.

- Spot 1. Cocaine Standard
- Spot 2. Sample 9
- Spot 3. Sample 9
- Spot 4. Cocaine Standard

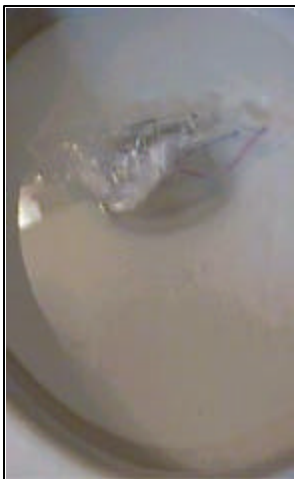


**3. No further preliminary tests were conducted.**

**Confirmation Analysis: N/A**

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**Sample: #10**



**Description:** Ziploc bag containing white powder: condition – damp

**Weight:** 790g

**Preliminary Analysis:**

**1. Spot Test**

A few milligrams of the powder produced a positive result with cobalt thiocyanate reagent.

**2. TLC**

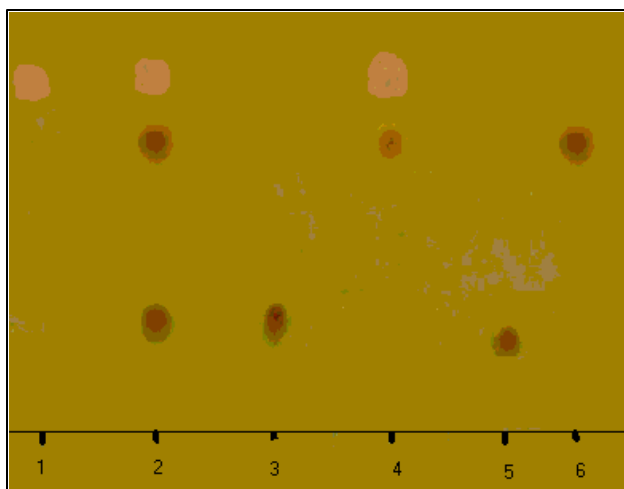
A few milligrams of the sample were dissolved in methanol and spotted for TLC:  
The following results were obtained:

**Running Conditions:**

Cell solvent - Methanol:Ammonium Hydroxide (100:1.5)

Spray sequence - SW UV, LW UV, Fluram, LW UV, Ludy Tenger, Sodium Nitrite, Cupric Chloride.

- Spot 1. Lidocaine Standard
- Spot 2. Sample 10
- Spot 3. Benzoylcegonine standard
- Spot 4. Sample 11
- Spot 5. MDMA standard
- Spot 6. Cocaine Standard



**3. No further preliminary tests were conducted.**

**Confirmation Analysis: N/A**

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**Sample: #11**



**Description:** Ziploc bag of white powder: condition - dry

**Weight:** 825g

**Preliminary Analysis:**

**1. Spot Test**

A few milligrams of the powder produced a positive result with cobalt thiocyanate reagent.

**2. TLC**

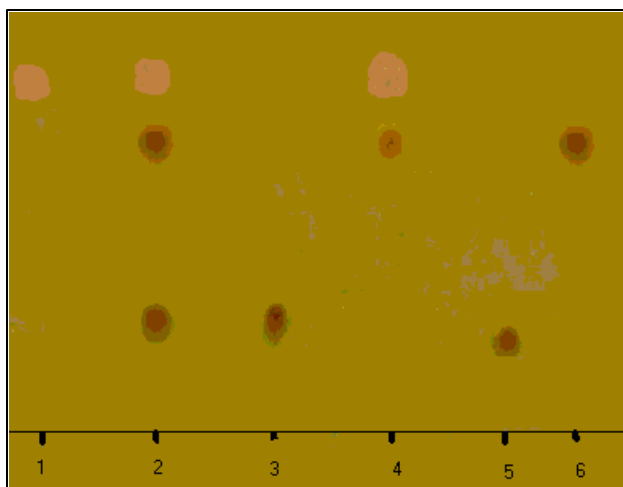
A few milligrams of the sample were dissolved in methanol and spotted for TLC:  
The following results were obtained:

**Running Conditions:**

Cell solvent - Methanol:Ammonium Hydroxide (100:1.5)

Spray sequence - SW UV, LW UV, Fluram, LW UV, Ludy Tenger, Sodium Nitrite, Cupric Chloride.

- Spot 1. Lidocaine Standard
- Spot 2. Sample 10
- Spot 3. Benzoylcegonine standard
- Spot 4. Sample 11.
- Spot 5. MDMA standard
- Spot 6. Cocaine Standard



**3. No further preliminary tests were conducted.**

**Confirmation Analysis: N/A**

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**NOTES:** The spray sequence for all plates was short wave ultraviolet (SW UV), Long wave ultraviolet (LW UV), Fluram with LW UV, Ludy Tenger, Sodium Nitrite, Cupric Chloride.