

Cannabis



Cannabis

- ❖ Cannabis Sativa and Cannabis Indica

- ❖ Temperate zones

- ❖ Delta-9 Tetrahydrocannabinol

- Primarily in leaves and flowers

- Sinsemilla

THC Metabolites

❖ **Hydroxy THC**

❖ **Carboxy THC**

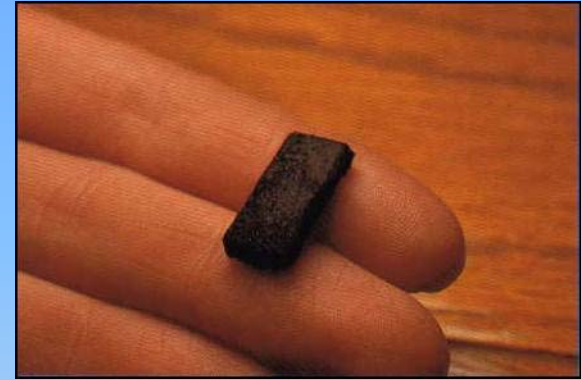
Medical Uses

- ❖ **Nausea**
- ❖ **Vomiting**
- ❖ **Lowers intraocular pressure**
- ❖ **Inhibit seizures**
- ❖ **Appetite enhancer**

Types of Cannabasis



Marijuana



Hashish



Hash Oil



Marinol

Synthetic Cannabinoids

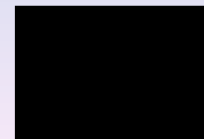
❖ Dronabinol (Marinol)

- K2
- Spice
- Fire N Ice



THC Potency

- ❖ Domestic Marijuana - 9.25%
- ❖ Non-Domestic Marijuana - 10.36%
- ❖ Hash - 33.48%
- ❖ Hash Oil - 32.29%



Methods of Ingestion



Orally



Smoked

General Indicators

- ❖ **Body tremors**
- ❖ **Disoriented**
- ❖ **Debris in mouth**
- ❖ **Eyelid tremors**
- ❖ **Impaired perception of time and distance**
- ❖ **Increased appetite**
- ❖ **Odor of marijuana**
- ❖ **Possible paranoia**
- ❖ **Red conjunctiva**
- ❖ **Relaxed inhibitions**



Onset and Duration

- ❖ **8 - 9 seconds: Onset**
- ❖ **10 - 30 minutes: Peak effects**
- ❖ **2 - 3 hours: Duration**
- ❖ **3 - 6 hours: Return to Normal**



Overdose Signs

❖ Paranoia



❖ Psychosis

Drug Matrix Chart

HGN	None
VGN	None
LACK OF CONVERGENCE	Present
PUPIL SIZE	Dilated *
REACTION TO LIGHT	Normal
PULSE RATE	Up
BLOOD PRESSURE	Up
BODY TEMPERATURE	Normal
MUSCLE TONE	Normal

*** Possibly normal**