



Cannabis and the Highway

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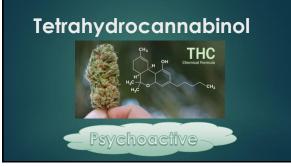


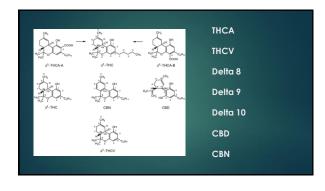
Topics:

- 1) Impairment effects of cannabis/THC
- 2) Public perception about cannabis and driving
- 3) Existing cannabis DWI laws
- 4) Pending legislation









THC Levels

- 2014: Averaged 14%, some strains leveling (
- CBD: 0.3%
- Edibles: Unknown due to manufactur
- Wax (Dab): 60% 99.99%
- Leafline Labs Products: 5 mg to 1200 mg TH



Shatter / Dab / Wax / Resin / Hash





Province Effects of Cannabis • Relaxation Impaired Memory • Euphoria • Altercations in Thought Process • Relaxed Inhibitions • Drowsiness • Disoriented • Sedation • Lack of Concentration • Mood change • Altered Time and Distance Perception

Signs of Ingestion/Impairment

Odor

- Red, bloodshot eyes
- Lack of Convergence
- Debris in mouth (green tongue)
- **Body Tremors**
- **Eyelid Tremors**

Cannabis influences . . .

- Attention
- Concentration
- Decision-making
- Impulsivity
- Inhibition
- Reaction Time
- Risk-taking
 - Verbal fluency
 - Working Memory

BCA Test Results

IINNESOTA DEPARTMENT OF PUBLIC SAFETY kureau of Criminal Apprehension - Forensic Science Laboratory	Lab No. Report No	XXXXXX 1	
Results of Laboratory Examination			
he following are results confirmed by Liquid Chromatography/Mass Spectrom	etry:		
Type of Drug:	Concentration	Associated Expanded Uncertainty	Units
delta-9-tetraliydrocanashinol (delta-9-THC)	2.95	±0.52	ng'ml
11-hydroxy-delta-9-tetrshydrocannsbinol (an active metabolite of delta-9-THC)	1.07	#0.16	ng/ml
 ans-9-cathoxy-delta-9-tetrahydrocanashinol (an inactive metabolist of delta-9-THC) 	65	±15	ngʻml
delta-8-tetrahydrocumsbinol (delta-8-THC)	Not Detected		
Cannabidiel (CBD)	Not Detected		
Camphinol (CBN)	Not Detected		
Canadhizerol (CBG)	Not Detected		

NATIONAL SAFETY COUNCIL



THC Levels

"It is concluded that it is unsafe to operate a vehicle or other complex equipment while under the influence of cannabis, due to the increased risk of death or injury to the operator and the public."

It is further concluded that due to rapid changes in blood THC concentrations over time, there is no minimum safe threshold blood concentration below which a driver can be considered to have been unaffected while driving following recent cannabis use. Consequently, there is no scientific basis for the adoption of THC per se laws for driving."



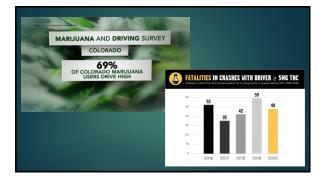


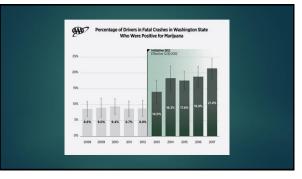














"We focus on total traffic fatalities because there is some substitution between driving under the influence of alcohol and under the influence of marijuana. The relevant measure for public safety is the net effect; the concern is not whether marijuanarelated fatalities increase but rather whether any increase is offset by fewer fatalities under the influence of alcohol."



Minn. Stat. § 169A.20, subd. 1(2)

It is a crime for any person to drive, operate, or be in physical control of a motor vehicle while under the influence of a controlled substance.

CRIMJIG 29.04: Driving Under the Influence of a Controlled Substance - Elements

"There is no set standard as to the quantity of a controlled substance a person must ingest before a person is regarded as being 'under the influence." When a person is so affected by a controlled substance that the person does not possess that clearness of intellect and control of themselves as they otherwise would have, that person is under the influence of a controlled substance."

Totality of the Circumstances

- Officer's training & experience
- Driving Conduct (if applicable)
- Observations
- Admissions
- Performance on field sobriety tests
- DRE Exam
- Test Results



Medical Cannabis Not a Defense to DWI!

Medical Cannabis is not a prescription
Affirmative defense does not apply to driving under the influence

Impairment is impairment





H.F. 100 / S.F. 73 Cannabis Legalization Bill



H.F. 100 / S.F. 73 Cannabis vs. Marijuana vs. THC





H.F. 100 / S.F. 73 Oral Fluid Roadside Testing Pilot Project







Questions?



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