



## Attachment #1 CADA Standard

### ***Testing Standard for Certification***

**Notice:** *The Canine Accelerant Detection Association (CADA) does not recognize certification of canine teams utilizing CADA's testing and/or certification standard by persons or organizations other than CADA. All certifications issued by CADA shall be valid for one (1) calendar year, contain the signature of the President and/or Vice President and the certifying official that administered the certification standard. Any certification not bearing these signatures is not valid.*

#### **Test Administrator(s):**

CADA reserves the right to use CADA Certifying Officials, CADA Board Members or other persons deemed qualified to administer or proctor the testing process.

See Attachment #2 for additional instructions for test administrators.

#### **Ignitable Liquids:**

Canine teams may be required to locate any of the twelve (12) ignitable liquids from the following classifications:

<b>Light</b>	<b>Medium</b>	<b>Heavy</b>
1) Paint Remover	1) Ultra-Pure Lamp Oil	1) Diesel
2) Coleman Fuel	2) Gasoline	2) Kerosene
3) Acetone	3) 50% Evaporated Gasoline	
4) Lacquer Thinner	4) 75% Evaporated Gasoline	
	5) Charcoal Lighter Fluid	
	6) Paint Thinner	

## Testing Instructions:

1. These tests are designed to determine the proficiency and reliability of the canine accelerant detection team in the detection of ignitable liquids in a variety of realistic search scenarios.
2. The following tests are on a pass/non-pass basis and shall be arranged in no particular order.
3. All tests shall be conducted *as-blind* aka as *single-blind* or *unknown* to the CADT.
4. Certifying Official and/or Test Administrator(s) shall take all necessary precautions to ensure that no team member has any prior knowledge as to the location of the target odors.
5. All target odors shall be in place approximately fifteen (15) minutes before testing begins.
6. All target odor(s) shall be placed and/or concealed anywhere from a height of three (3') feet to a depth of three (3") inches nor shall a target odor be placed and/or concealed within six (6') feet of another target odor.
7. CADA Certifying Officials and/or Test Administrator(s) shall wear protective (*rubber, nylon etc.*) gloves throughout the entire testing process to ensure against cross-contamination during the storage, handling and setup of target odor(s) and/or distraction items.
8. With the exception of the scent discrimination test, the test administrator(s) may choose which ignitable liquid/s will be used from the ignitable liquid classes listed under each testing phase.
9. Test administrator(s) or evaluators will ensure odor availability of every aid. If odor availability comes into question, the exercise will be halted and a new exercise prepared. If an area of an exercise is believed to be contaminated, the testing administrator will discount any behavior previously seen in that area, and alter the exercise to exclude the contaminated area. Spiking an aid is allowable should the testing administrator feel the substance has dissipated during the testing cycle.
10. There shall be no time limit for a team to complete each phase of testing; however, the test administrator(s) may stop the test once it has been made evident that the team cannot locate the target odor(s).
11. It shall be the handler's responsibility to inform the test administrator(s) when they have completed each test, and shall describe to the test administrator(s) where the target odors are located.
12. For certification, a team cannot have more than one false positive or miss more than one aid in all phases of testing.

13. Should any CADT receive a non-pass in any phase of the testing process, they may be allowed to retest no more than once for that particular test. If the CADT receives a non-pass on the second attempt, the team shall be re-evaluated in all phases at a different time to be scheduled by CADA.
14. Due to logistics and/or availability of test site, the hosting agency and/or test administrator shall provide teams with five (5) of the six (6) below tests.

### **Test 1: Pinpoint – Accuracy**

- A. Two (2) common 1" X 4" pine boards, twenty-four inches (24") in length, using a pen and/or pencil divide each one (1) of the boards into three (3) equal sections measuring eight inches (8") in length then number the two (2) boards 1 through 6.
- B. The boards shall be placed lengthwise, approximately six (6') feet apart. The ignitable liquid shall be placed near the center of one numbered section on one board. The other board shall be free of any target odors.
- C. The testing administrator shall determine which board(s) shall remain blank and/or hot.
- D. Ignitable Liquid: 20 µL from the *Light Ignitable Liquids Class*.

### **Test 2: Open Area Search**

- A. This will be an outside search conducted in an area measuring at a minimum of 50' X 50' (or 2,500 sq. ft.). The surface may be grass, gravel, pavement, dirt, etc.
- B. Various distracter items shall be placed within the search area. Two (2) target odors will be placed within the search area.
- C. The target odors may be placed on the various distracters used or placed on the ground itself.
- D. The testing administrator shall determine which items shall remain blank and/or hot
- E. Ignitable Liquid: 1/16 to 1/4 cup from the *Heavy Ignitable Liquids Class*.

### **Test 3: Building Search**

- A. The building(s) will be either commercial or residential and may be one that was recently involved in a fire, if available.
- B. The size of the area used for testing shall not be less than 1,200 square feet or more than 2,500 square feet.
- C. A total of five (5) target odors shall be placed anywhere from a height of three (3') feet to a depth of three (3") inches under debris or ash.

- D. One room with a minimum of 100 square feet shall be blank.
- E. Prior to the test, each canine team shall be allowed to conduct a walk-through to become familiar with the building and to look for any safety hazards.
- F. Typical furnishings, distracters and burned materials consisting of *plastics, rubber, foam, wood and carpet/pad, etc.* may be present in the search area(s).
- G. The handler shall be allowed to call for a time out period during the search to refresh his/her canine partner if needed. The time out period shall not exceed seven (7) minutes.
- H. The testing administrator shall determine which room(s) shall remain blank and/or hot.
- I. Ignitable Liquid: 10 µL from the *Medium Ignitable Liquids Class*.

#### **Test 4: Vehicle Search**

- A. The search shall be conducted utilizing three (3) unburned vehicles. Two (2) vehicles shall have one (1) target odor placed inside the passenger compartment. The third vehicle shall be free of any target odors.
- B. The testing administrator shall determine which vehicle shall remain blank and/or hot.
- C. Ignitable Liquid: 20 µL from the *Medium Ignitable Liquids Class*.

#### **Test 5: Clothing Search**

- A. This test is designed to test the canine accelerant detection team's ability to search articles of clothing for trace ignitable liquid/s.
- B. The articles of clothing shall be clean new and/or pre-owned *t-shirts, pants and/or household towels, etc.*
- C. A minimum of five (5) and a maximum of seven (7) articles of clothing shall be placed on the floor and/or ground six (6') feet apart from each other.
- D. Two (2) of the articles of clothing shall contain an ignitable liquid(s).
- E. The certifying official shall determine the search pattern (*circle, straight or square etc.*) and which items of clothing shall remain blank and/or hot.
- F. Ignitable Liquid: 20 µL from the *Medium Ignitable Liquids Class*.

## **Test 6: Scent Discrimination**

- A. There will be a total of six (6) quart size cans that will contain materials from the following
1. Softwood (*pine or fir*)
  2. Plastics (*milk jug, water bottle*)
  3. Styrofoam (*egg carton, disposable coffee cup*)
  4. Carpet and Pad
  5. Rubber (*tire, etc.*)
  6. Mixed-Matrix (*containing each of the materials from above*)
- B. Each can shall contain only one material (except for the mixed-matrix), and shall not fill more than one-half ( $1/2$ ) of the can. Each sample shall be burned with a propane torch until the contents are partially charred.
- C. After the samples have been allowed to cool to ambient temperature, an ignitable liquid will be placed inside one (1) or two (2) cans. Prior to the test, the lids will be punched with a minimum of eight (8)  $1/16$ " diameter holes.
- D. The cans shall be placed approximately six feet (6') apart.
- E. The certifying official shall determine the search pattern (*circle, straight or square, etc.*) and which cans will remain blank and/or hot.
- F. Ignitable Liquid: 10  $\mu$ L of 50% evaporated gasoline.