

# METHANOL IN SOLID ALCOHOLS FUEL TEST

## Self Food Quality Care

A preliminary test kit for methanol testing in hard alcohol. The fuel To warm food Today's food businessmen use hard alcohol to cook food that they want to serve while hot, because of its easy-to-use, low cost and warm fuel. Is a mixture methanol is a dangerous substance. Organized as a substance that is not used in the fuel. Because it is toxic. Can ruin the sight and visibility.

## Sensitivity of test kits

The minimum quantity detected is 3% w / w methanol in warm fuel.

## Test Kit Tool

1. 6 types of solution: Me1 (Phosphoric acid 5%), Me2, Me3, Me4, Me5, Me6
2. Sample scoop
3. Test tube

## Procedure



1. Use a warm fuel spoon to test the amount of green beans. Put into the test tube.



2. Add Me1 5 drops, then stir well.



3. Add 1 drop of Me2, until the purple solution is shaken and leave for about 60 minutes.



4. Add Me3 drops until the purple gradually fades to a solution of white.



5. Add 5 drops of Me4, shake well.



6. Add 5 drops of Me5, shake well.



7. Add 5 drops Me6, notice the color immediately.

8. Then leave for about 60 minutes and then read the results.

### Evaluation

- **The positive color samples are:** If the fuel is heated, the food containing the methanol mixture will be green to blueish color immediately after the drop of Me6.
- **Negative color samples:** For warm fuels, no methanol is mixed. Will be yellow To orange red

### Storage of Methanol Test Kits

It should be stored at room temperature and not exposed to direct sunlight. Safe from children's hands and pets.

### CAUTION

It should be tested in well ventilated areas in case Me1 spills or splashes into the eyes. Rinse with plenty of water several times and immediately see a doctor immediately.



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