

Portable Methanol Test Kits

CHOONG YUUK-MENG(鍾玉明) • WANG MEI-LING(王美苓)

Chia Nan University of Pharmacy & Science, Department of Food Science &
Technology

The purpose of this research is to develop a simple Portable Methanol Test Kits to detecting the quality of alcohol beverage or wine. The Methanol Test Kits includes four reagent (1-4) and methanol standard solution. The Methanol Test Kits is based on the oxido-reduction reaction. When methanol is present in the sample, it reacted with reagent 1, 2, 3, and 4, step by step. We can observe the color of the reaction will changed as following: purple → colorless → pink → purple-blue. This is a simple and rapid chemical reaction test. The features of Portable Methanol Test Kits are as following: (1) This is a simple and rapid chemical reaction test. (2) Any consumer can operate the methanol test by following the attach protocol. (3) There are no equipment is necessary by this method. (4) Compare with the methanol Standard solution, we can determined the amount of methanol accuracy. (5) Only 5-7 min by one measurement.