

## Application Note

Industry : Food and Beverage  
Instrument : Alcohol meter  
Measurement method : Resonant frequency oscillation, GB 5009.225

This is an example about determination of the alcohol content (vol%), specific gravity (t/t) and density (g/cm<sup>3</sup>) in American red wine. The alcohol meter can be used enough for determination of these applications on the wine making process.

Technical note: The alcohol sample must be distilled as per the procedure specified on local regulations before the alcohol content can be measured with this alcohol meter.

Alcohol meter ALM-155  
Distillation apparatus

American red wine

Pure water for rinsing

A: Alcohol content (vol%):

- 1) Take distilled sample solution into beaker
- 2) Introduce the sampling nozzle into the beaker
- 3) Press [Meas.] button on the instrument

B: Specific gravity (t/t) and Density (g/cm<sup>3</sup>):

- 1) Take wine sample solution into beaker
- 2) Introduce the sampling nozzle into the beaker
- 3) Press [Meas.] button on the instrument

Procedure A  
Alcohol (vol%) at 20

Procedure B  
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