

Application Note

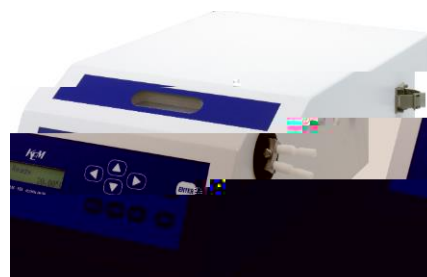
Industry	:	Food and Beverage
Instrument	:	Alcohol meter
Measurement method	:	Resonant frequency oscillation, GB 5009.225

This is an example about determination of the alcohol content (vol%), specific gravity (t/t) and density (g/cm³) in Spanish white 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 by this alcohol meter.

2.

Alcohol meter ALM-155
Distillation apparatus



3.

Spanish white wine

4.

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/cm³):

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

	Procedure A		Procedure B	
	Alcohol (vol%) at 20	S.G. (t/t)	Density (g/cm ³)	
w1	12.28	0.99178	0.99000	
2	12.27	0.99180	0.99002	
3	12.27	0.99179	0.99001	
Mean	12.27	0.99179	0.99001	
SD	0.01	0.00	0.00	
RSD(%)	0.05	0.00	0.00	