

Application Note

Determination of alcohol content in Chilean white wine by Alcohol meter

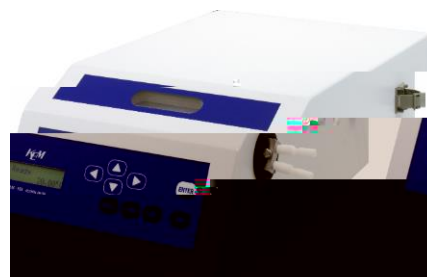
Industry	:	Food and Beverage
Instrument	:	Alcohol meter
Measurement method	:	Resonant frequency oscillation, GB 5009.225

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

2.

Alcohol meter ALM-155
Distillation apparatus



3.

Chilean 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)	
1	13.06	0.99209	0.99031	
2	13.05	0.99210	0.99032	
3	13.06	0.99209	0.99031	
Mean	13.06	0.99209	0.99031	
SD	0.01	0.00	0.00	
RSD(%)	0.04	0.00	0.00	