KF Application Note No. K- 23

Title:	**Water in ethylene dichloride**

***Summary*:**	The water content of ethylene dichloride is determined according to Karl Fischer. As the sample may contain free chlorine, which interferes with the determination, separate KF reagents have to be used.

Sample:	Ethylene dichloride

Sample Preparation:	Weigh ca. 60 g sample and 40 g Hydranal Solvent into a dry Erlenmeyer flask. Stopper the flask immediately with a septum stopper and mix the contents.

Instruments and Accessories:	701 KF Titrino, 720 KFS Titrino or 758 KFD Titrino, 703 Titration Stand, printer

Analysis:	Fill ca. 20 mL solvent into the titration vessel and condition it. Then add ca. 10 g of the prepared sample solution using a syringe and start the water determination. **Reagents:** Solvent: Hydranal Solvent (Riedel-de Haën) Titrant: Hydranal Titrant 2 (Riedel-de Haën)

Results:	AVG(5) = 19.8 +/- 2 ppm water

Settings:	720 KFS Titrino	
	>titration parameters	
	titr.direction:	-
	pause 1	0 s
	start V:	off
	extr.time	0 s
	I(pol)	50 uA
	>control parameters	
	EP at U	250 mV
	dynamics	100 mV
	stop crit.:	drift
	stop drift	20 uL/min