

KF Application Note No. K- 43

Title: Water in aniline

Summary: The water content of aniline is determined according to Karl Fischer in buffered solvent.

Sample: Aniline

Sample Preparation: none

Instruments and Accessories: 701 or 720 or 758 Titrino, 703 Titration Stand, Printer

Analysis: Pour about 25 mL methanol into the titration vessel, add about 5 g salicylic acid and condition the mixture. Add about 3 ... 5 g sample using a syringe and titrate the water content.

Reagents:

Solvent: Methanol + salicylic acid

Titrant: Hydranal-Composite 5 (Riedel de Haen)

Results: AVG(5) = 0.051 +/- 0.0005 % water

Settings:

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