

KF Application Note No. K- 33

Title: Water in piperidine and piperazine

Summary: The water content of piperidine and piperazine is determined according to Karl Fischer using a buffered solvent mixture.

Sample: Piperidine, piperazine

Sample Preparation: none

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

Analysis: Pour ca. 30 mL methanol into the titration vessel, add 5 g benzoic acid and condition the mixture. Then add ca. 2 mL piperidine or ca. 1 g piperazine and start the water determination.

Reagents:

Solvent: methanol + benzoic acid

Titration: Hydranal Composite 5 (Riedel-de Haën)

Settings: 701 KF Titrino

>titration parameters

extr.time	0 s
stop crit.:	drift
stop drift	20 uL/min

>preselections

conditioning:	on
req.sampl size:	on
report:	full