

KF Application Note No. K- 19

Title: Water in urea

Summary: The water content of urea is determined according to Karl Fischer.

Sample: Urea

Sample Preparation: none

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

Analysis: Pour 25 mL methanol into the titration vessel and condition it. Then add ca. 2 g sample with a weighing spoon (the exact sample mass is determined by difference weighing) and start the automatic determination. Change the solution after each determination.

Reagents:

Solvent: methanol (dry)

Titrant: Hydranal Composite 5 (Riedel-de Haën)

Results: AVG(5) = 0.288 +/- 0.002 % water

Settings: 720 KFS Titrino

>titration parameters

titr.direction:	-
pause 1	0 s
pause 2	150 s
extr.time	0 s
electrode test:	on

>preselections

conditioning:	on
display drift:	on
req.smpl size:	value