

KF Application Note No. K- 35

Title: Water in ϵ -caprolactam

Summary: The water content of β -caprolactam is determined according to Karl Fischer.

Sample: β -caprolactam

Sample Preparation: none

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

Analysis: Add ca. 2 g sample to the titration vessel containing 25 mL conditioned solvent and start the water determination.

Reagents:

Solvent: methanol (containing max. 0.01% water)

Titrant: Hydranal Composite 2 (Riedel-de Haën)

Results: AVG(8) = 119 +/- 5 ppm H₂O

Settings: 701 KF Titrino

>titration parameters

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

>preselections

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