

KF Application Note No. K- 34

Title: Water in melamine

Summary: The water content of melamine is determined according to Karl Fischer in a buffered solvent mixture at 50 °C.

Sample: Melamine

Sample Preparation: none

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

Analysis: Pour ca. 30 mL solvent into the titration vessel, add 7 g salicylic acid, heat to 50 °C and condition the mixture. Add ca. 1 g sample and wait till it has completely dissolved, then start the water determination.

Reagents:

Solvent: Hydranal Solvent (Riedel-de Haën) + salicylic acid

Titant: Hydranal Titrant 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.smpl size:	on
report:	full