

KF Application Note No. K- 5

Title: Water in ink

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

Sample: Ink (main component: tripropylene glycol monoethyl ether)

Sample Preparation: none

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

Analysis: Inject ca. 3 g sample (the exact sample mass is determined by difference weighing) with a syringe into the titration vessel containing the conditioned solvent (methanol). The solvent has to be changed after each determination.

Reagents:

Solvent: methanol (dry)

Titrant: Hydranal Composite 5 (Riedel-de Haën)

Results: AVG(3) = 0.326 +/- 0.0006 % water

Settings: 701 KF Titrino

>titration parameters

extr.time	0 s
stop crit.:	drift
stop drift	25 uL/min

>preselections

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