

# KF Application Note No. K- 39

**Title:** Water in penicillin-G-potassium

**Summary:** The water content of penicillin is determined according to Karl Fischer using a special solvent mixture in order to prevent unwanted side reactions.

**Sample:** Penicillin-G-potassium

**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 salicylic acid and condition the mixture. Then add ca. 1 g sample and start the water determination.

**Reagents:**

Solvent: methanol + salicylic 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.smpl size:	on
report:	full