KF Application Note No. K- 24

Title:	**Water in smoked fish (salmon, trout)**

***Summary*:**	The water content of smoked salmon and smoked trout is determined according to Karl Fischer.

Sample:	Smoked salmon and smoked trout

Sample Preparation:	Cut up the sample into small pieces. Weigh ca. 2 g sample into a dry flask, add ca. 50 g methanol/chloroform 9 : 1 and mix with the PT 1200 Disintegrator for 120 s. Afterwards stopper the flask with a septum stopper. For the blank determination a flask is prepared in the same way but without sample.

Instruments and Accessories:	701 KF Titrino, 720 KFS Titrino or 758 KFD Titrino, 703 Titration Stand, printer, Polytron PT 1200 Disintegrator

Analysis:	Pour ca. 25 mL dry methanol into the titration vessel and condition it. Then add ca. 1 g of the prepared sample solution using a syringe and start the water determination. **Reagents:** Solvent: methanol/chloroform 9 : 1, methanol (dry) Titrant: Hydranal Composite 5 (Riedel-de Haën)

Results:	Salmon: AVG(5) = 63.74 +/- 0.16 % water Trout: AVG(5) = 66.79 +/- 0.11 % water

Settings:	701 KF Titrino >titration parameters extr.time 0 s stop crit.: drift stop drift 10 uL/min >preselections req.smpl size: on report: full