

# KF Application Note No. K- 16

**Title:** Water in lemongrass oil

**Summary:** The water content of lemongrass oil is determined according to Karl Fischer. To prevent unwanted side reactions special KF reagents for aldehydes and ketones are used and the determination is carried out at 0 ... 4 °C.

**Sample:** Lemongrass oil

**Sample Preparation:** none

**Instruments and Accessories:** 701 KF Titrino or 720 KFS Titrino, 703 Titration Stand, printer, low temperature circulating system

**Analysis:** Inject ca. 1 mL sample (the exact sample mass is determined by difference weighing) with a syringe into the titration vessel containing the cold, conditioned solvent. After each triplicate determination the solvent has to be changed.

**Reagents:**

Solvent: Hydranal Working Medium GK (Riedel-de Haën)

Titrant: Hydranal Composite 5 K (Riedel-de Haën)

**Results:** AVG(3) = 0.68 +/- 0.003 % water

**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