## **KF** Application Note No. K-13

Title:	Water in organic peroxides		
Summary:	The water content of organic peroxides is determined according to Karl Fischer using two-component reagents. To prevent any un wanted side reactions the determinations are carried out a -20 °C.		
Sample:	tertButyl hydroperoxide Methyl ethyl ketone peroxide		
Sample Preparation:	none		
Inctrumente and			
Instruments and	704 KE Titring or 700 KES Titring 702 Titration Stand printer law		
Accessories:	temperature circulation system		
Arraharia	Whith fam a standy drift halow 0 watering at a targenerative of 20 °C		
Anaiysis:	Inject ca. 300 mg sample into the titration vessel using a dry 1 mL glass syringe (the exact sample mass is determined by difference weighing) and start the automatic determination (triplicate determination).		
	Reagents:Solvent:Hydranal Solvent (Riedel-de Haën)Titrant:Hydranal Titrant 5 (Riedel-de Haën)		
Results:	tertButyl hydroperoxide: $AVG(3) = 5.51 + -0.08$ % waterMethyl ethyl ketone peroxide: $AVG(3) = 1.69 + -0.02$ % water		
Settings:	701 KE Titripo		

Settings.		
	>titration parameters	
	extr.time	0 s
	stop crit.:	drift
	stop drift	20 uL/min
	>preselections	
	conditioning:	on
	req.smpl size:	on
	report:	full