

KF Application Note No. K- 45

Title: Water in methylcyclohexane

Summary: The water content in methylcyclohexane is determined in accordance to coulometric Karl Fischer titration

Sample: Methylcyclohexane, „normal“ and „dried“

Sample Preparation: none

Instruments and Accessories: 737 KF Coulometer, cell without diaphragm, 728 Magnetic Stirrer, Printer

Analysis: Fill about 100 mL Coulomat AG-H into the cell and condition it until the drift is below 10 ug/min and stable. Rinse the syringe 2 ... 3 times with sample before each injection. Then inject about 3 ... 8 g sample into the cell (sample size by difference weighing) and titrate the water content.

Reagent: Hydranal Coulomat AG-H (Riedel de Haen)

Results: „normal“ AVG(3) = 61.9 +/- 0.6 ppm water
„dried“ AVG(3) = 19.8 +/- 0.3 ppm water

Settings:

737 KF Coulometer	
smpl. Req.	On
d. start	14 ug/min
extr.	0 s
stop drift:	auto
delay time	3 s
report:	full