

KF Application Note No. K- 31

Title: Water in 2-methyl-1,3-butadiene and 2,5-norbornadiene

Summary: The water content of 2-methyl-1,3-butadiene and 2,5-norbornadiene is determined according to Karl Fischer using a special solvent mixture in order to prevent unwanted side reactions.

Sample: 2-methyl-1,3-butadiene, 2,5-norbornadiene

Sample Preparation: none

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

Analysis: Add ca. 5 mL sample with a syringe to the titration vessel containing 30 mL of the conditioned solvent mixture and start the water determination.

Reagents:

Solvent: methanol/1-propanol 1 : 2

Titration: Hydranal Composite 2 (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.sampl size:	on
report:	full