


Methods, IAAC, Janiak

<p style="text-align: center;">Karl-Fischer Titration (KFT)</p> <p style="text-align: center;"><i>water determination</i></p>	<p>Model:</p> <p>Unit and Room:</p> <p>Responsible:</p> <p>Further information:</p>	<p><i>ECH/ANALYTIK JENA KARL FISCHER-Titrator AQUA 40.00</i></p> <p><i>Chemie II, Room 035</i></p> <p><i>Prof. C. Janiak, S. Zuelsdorf</i></p> <p><i>K. Schöffski, Die Wasserbestimmung mit Karl-Fischer-Titration, Chem. Unserer Zeit 2000, 34, 170-175</i></p>
<p>Short Description:</p> <p>The coulometric KARL FISCHER-/Redox-titration with biamperometric end point indication (dead stop-titration) allows for the quantification of free water, crystal water or water formed in chemical reactions in substances.</p>	<p style="text-align: center;">Picture of the Equipment</p> 	
<p>Available Experiments/Techniques:</p> <p>see above</p>		
<p>Special Equipment:</p> <p>none</p>		
<p>Measurements on the equipment are currently done by:</p>	<p><input type="checkbox"/> Students</p> <p><input checked="" type="checkbox"/> Students after Introduction</p> <p><input type="checkbox"/> Students after extensive training</p> <p><input type="checkbox"/> Trained scientific service personal</p>	
<p>Recent Publications, where this instrument was important (optional): Give citation</p>	<p>general on KFT: K. Schöffski, Die Wasserbestimmung mit Karl-Fischer-Titration, Chem. Unserer Zeit 2000, 34, 170-175</p>	
<p>Typical problems that may be solved with this instrument:</p>	<p><i>quantification of free water, crystal water or water formed in chemical reactions in substances.</i></p>	