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【223】Thermal desorption of organic molecules from cellulose based surfaces

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Paper is increasingly used as a packaging material in particular also in food packaging. In the latter case it is necessary to get more insight into the adsorption and desorption behavior of aroma molecules on and in the paper network. Food packaging should keep the aroma molecules inside the food and protect the food from the environment. Paper is a porous material and this can be used as an advantage. The CD-Laboratory for mass transport through paper is conducting research along this line. It will be shown that temperature programmed desorption can be used to study the interaction of organic molecules with cellulose based surfaces.

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