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Binary Adsorption Equilibria of Various Flavors and Materials Contained in a Box of a Tobacco Product

<u>Masato MIYAUCHI</u>¹⁾, <u>Atsuko MIYAKE</u>¹⁾, <u>Yukio NAKANISHI</u> <u>SAGARA</u>²⁾

 Tobacco Science Research Laboratory, Japan Tobacco Inc.
Department of Agricultural Engineering, Faculty of Agricult Tokyo

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An experimental study has been carried out on the binary adsorptio flavors and water for typical materials used in a box of a tobacco p component of L-menthol, which was sublimated from the solid star adsorbed onto the surfaces of each material without phase re-trans unsaturated condition. For tobaccos, papers and filters, flavors with polar nature were adsorbed to a greater degree than otherwise, wh carbons, this dependence showed the opposite tendency except fo behaviors of the binary adsorption equilibria of various flavors and follows; (a) for the tobacco and paper, the flavors were mainly ads the adsorbed water, and to some extent, on the hydrophobic sites c (b) for the filter, they were adsorbed on the hydrophobic sites such inside the tow, (c) for activated carbon, their adsorption was attribu flavor molecules in the inner surface of the micropores, but depend

Keywords: tobacco product, activated carbon, ethyl butyrate, L-1 water, binary adsorption

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