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## Air quality inside new vehicles

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Investigation of air quality on the basis of volatile organic compounds presence | Investigation of air quality in the cabins of new vehicles on the basis of volatile organic compounds (VOCs) presence, emitted by interior equipment, is described in present work. Air samples were collected from two car brands, both produced in Poland, which differed in interior equipment. Active method and two solid sorbents, thermal desorption and gas chromatography were applied to analyse VOCs in vehicle interior. The differences in air composition between different examples of the same vehicle model with the same equipment were checked as well as differences between different vehicle models. In each vehicle about 200 different organic compounds were found. Their presence was connected with the cabin interior equipment and materials off-gassing. These compounds were present in a form of complex mixture, which made the determination of the exact air composition in the vehicle interior a scientific challenge. Present work is a part of dissertation, which was realised in BOSMAL AR&DI Ltd in Bielsko-Biala and Wroclaw University of Technology. | Format: Paperback | Language/Sprache: english | 113 gr | 220x150x4 mm | 72 pp.



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