

Odour Intensity Close to Detection Threshold – Joanna Kośmider, Beata Krajewska, Monika Sosialuk

Summary

550 individual odour intensity (S) assessments of 62 samples of air polluted with 2-propanol were collected (concentration $c = 46\text{--}21000 \text{ mg/m}^3$). The data were used to establish odour detection threshold of 2-propanol by extrapolation to $S = 0$ in the coordinate system of $S\text{-log } c$. The obtained values were compared with triangular tests results and data published in the literature. A reason for apparent positive deviations from Weber-Fechner law within a range of low odour intensities was indicated.