

### **Effect of Fragrance of Essential Oil on Thermal Sensation under Hot Condition**

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Recently, it has reported by some studies that thermal discomfort is decreased by using fragrance of essential oil in an environment like an office in the summer season. However, there has been little knowledge about thermal sensation when fragrance of essential oil is used under the controlled condition of humidity, temperature etc., and also about utilization of such essential oil to improve thermal comfort in railway stations. This study aims to investigate thermal sensation, odor intensity, impression and preference with or without fragrance under hot condition while controlling temperature and humidity. As a result, there are not any effects of thermal condition on odor intensity, impression or preference of fragrance, although there is a trend that thermal warm sensation is decreased to the neutral in association with the increase of the volume of mint essential oil contained in a glass bottle for presentation of fragrance.