

## Standardized Human Olfactory Thresholds

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### Standardized Human Olfactory Thresholds : M. Devos ...

Abstract. Among human senses, smell is probably the most elusive, and our knowledge about odor-related phenomena is accordingly incomplete. Any progress at the scientific level towards a better understanding of what makes something odorous or, at the technical level, to know why for instance a perfume performs better in one rather than in...

### 9780199631469 - Standardized Human Olfactory Thresholds by ...

Sources of Information for Odor Thresholds Sources of Information for Odor Thresholds. American Industrial Hygiene Association (AIHA 1989). Odor Thresholds for Chemical with Established Occupational Health Standards. Akron, Ohio. American Petroleum Institute (API 1985). Review of Published Odor and Taste Threshold Values of Soluble Gasoline ...

### An Algorithm for 353 Odor Detection Thresholds in Humans

Standardized Human Olfactory Thresholds. A short explanation of the mathematical methods used by the authors is given, while the bulk of the book is taken up by the table of values. This is a comprehensive reference for scientists working in chemoreception, zoology, food science, government health regulation, and others for whom it is important to measure levels of air-borne chemicals.

### Standardized human olfactory thresholds (eBook, 1990 ...

Reference details. Devos, Michel Standardized Human Olfactory Thresholds. Oxford: IRL press, 1990. All data below are available with an Open Data Commons Open Database License. You are free to copy, distribute and use the database; to produce works from the database; to modify, transform and build upon the database.

### Can anyone recommend a database of odour and aroma ...

In the past, data on olfactory thresholds have not been standardized; different values have been scattered throughout the relevant literature. Using a systematic approach to standardization, this book provides the first homogeneous inventory of weighted and averaged human olfactory thresholds for over 500 chemicals.

### Standardized Human Olfactory Thresholds - AbeBooks

Can anyone recommend a database of odour and aroma thresholds for volatile compounds? ... P. and Van Gemert, L.J. (1990) Standardized Human Olfactory Thresholds. ... digital resource for odour ...

### Standardized Human Olfactory Thresholds - Devos, M./ Patte ...

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### Standardized human olfactory thresholds - Ghent University ...

Gaschromatography-Olfactometry and odour threshold values in air. In a number of references just the amount injected into the gaschromatograph is reported as threshold value. For conversion into weight per volume units it was assumed that the amount injected was diluted in 100 ml air when smelling.

### Human Olfactory Detection of Homologous n-Alcohols ...

Arthur D. Little, Inc. Odor Threshold Determinations. Of 53 Odorant Chemicals. In order to assist in assessing potential odor problems arising from chemical manufacturing operations, the odor thresholds of 53 commercially important odorant chemicals have been determined using a standardized. and defined procedure.

### The Measuring of Odors | SpringerLink

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### Reference Guide To Odor Thresholds For Hazardous Air ...

In the Devos et al. (1990) compilation of olfactory thresholds, the mean ODT for ammonia is 5 parts per million (ppm); Michaels (1999) refers the range of ODTs to be between 0.04 and 57 ppm; and Van Thriel et al. (2006) reported a median of 0.05 ppm.

### Standardized Human Olfactory Thresholds

This book provides a homogeneous inventory of weighted and averaged human olfactory thresholds for hundreds of chemicals. Until now data on olfactory thresholds has not been standardized and different values have been scattered throughout the literature.

### Odor Threshold Determinations of 53 Odorant Chemicals

Punter, P. H. (1980) Measurement of human olfactory threshold for several groups of structurally related compounds. [Published as Punter, 1983]. Punter, P. H. (1983) Measurement of human olfactory thresholds for several groups of structurally related compounds. Chem. Senses 7: 215-235.

### ODOUR THRESHOLDS

The outcome produced standardized thresholds. The difference between the highest and the lowest of these standardized thresholds for ethanol, 1-butanol, 1-hexanol, and 1-octanol, was 2.3, 1.7, 2.2, and 2.3 orders of magnitude, respectively.

### Odor and Irritation Thresholds for Ammonia: A Comparison ...

This book provides a homogeneous inventory of weighted and averaged human olfactory thresholds for hundreds of chemicals. Until now data on olfactory thresholds has not been standardized and different values have been scattered throughout the literature.

### Standardized Human Olfactory Thresholds - M. Devos ...

At 16 times the human olfactory threshold of an odor 95% of persons with a normal sense of smell will recognize the odor (J. E. Moore, Odorization, Institute of Gas Technology, 1980, p. 31. The human olfactory threshold for ethyl mercaptan is 1 part per billion (Devos et al., Standardized Human Olfactory Thresholds, IRL Press, Oxford, 1990, p. 70.

### Standardized Human Olfactory Thresholds: 9780199631469 ...

An odor detection threshold (ODT) is a biological endpoint that provides a quantitative assessment of the effect of airborne chemicals on the olfactory system of a human subject. ODTs, obtained by approximately the same protocol, for a series of chemicals then constitute a suitable measure of the relative effectiveness, or potency, of the chemicals to elicit an effect.

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