

Odour guide values (OGV) from the German Committee on Indoor Air Guide Values (AIR), August 2023.

Name	CAS No.	Year	ODT	K _w	OGV	Unit	Annotation ^[1]
Acetone	67-64-1	2023	24,69	2,51	250	mg/m ³	A, GV
Acetophenone	98-86-2	2023	2,9	2,83	22	µg/m ³	A, GV
Benzothiazole	95-16-9	2023	3,4	1,95	66	µg/m ³	A, GV
2-Butanone oxime	96-29-7	2023	0,27	3,27	1,6	mg/m ³	M, GV
Butyric acid	107-92-6	2023	1,1	2,27	14	µg/m ³	M
Caprolactam	105-60-2	2023	0,32	3,04	2,0	mg/m ³	A
Acetic acid	64-19-7	2023	21	1,95	400	µg/m ³	M, GV
2-Ethylhexanol (Racemate – 1:1 (R)- or (S)-2-Ethylhexanol)	104-76-7	2023	0,098	2,23	1,3	mg/m ³	A, GV
Hexanoic acid	142-61-1	2023	0,016	2,56	0,15	mg/m ³	M
Hexanal	66-25-1	2023	3,2	2,74	26	µg/m ³	A, GV
m-cresol	108-39-4	2023	0,3	2,28	3,2	µg/m ³	A, GV
p-cresol	106-44-5	2023	0,4	2,10	5,6	µg/m ³	A, GV
Naphthalene	91-20-3	2023	1,0	2,86	7,3	µg/m ³	A, GV
1-Methylnaphthalene	90-12-0	2023	1,9	2,72	15	µg/m ³	A, GV
2-Methylnaphthalene	91-57-6	2023	1,6	3,31	8,9	µg/m ³	A, GV
1,4-Dimethylnaphthalene	571-58-4	2023	4,2	2,54	41	µg/m ³	A, GV
Nonanal	124-19-6	2023	2,2	2,99	15	µg/m ³	A, GV
Phenol	108-95-2	2023	14,2	3,40	77	µg/m ³	A, GV
2-Phenoxyethanol	122-99-6	2023	4,2	2,42	45	mg/m ³	A, GV
2,4,6-Trichloroanisole	87-40-1	2023	-	-	-	µg/m ³	M, OGV will be revised

Values correspond to the AIR rounding rules for indoor air guide values, March 2020 (German Committee on Indoor Air Guide Values (AIR), 2020).

^[1]Annotation:

A – The ODT₅₀ was determined analytically, the values can be found in Table 128 in (UBA research project, 2020). If no value is given in the column „optionale Geruchsschwelle (analytisch)“, the analytical concentration in the primary bag was divided by the mean odorant concentration (can be found in the respective substance specific chapters in (UBA research project, 2020)). Example acetone: 13899/563 = 24,69.

M – The ODT₅₀ was determined mathematically, the values can be found in table 128 in (UBA research project, 2020).

GV – Health-based indoor air guide values derived from the AIR are also available for this substance.

UBA research project (2020), Determination of odour detection thresholds for indoor pollutants (in German), final report, Environment & Health 04/2023, online: <https://www.umweltbundesamt.de/publikationen/bestimmung-von-geruchswahrnehmungsschwellen-fuer>