

Limit values and permitted number of exceedances, upper and lower assessment thresholds according to Act No. 201/2012 Coll. on air protection, as amended, and Decree No. 330/2012 Coll., on the method of assessment and evaluation of ambient air pollution level, on the extent of informing the public about the level of ambient air pollution and during smog situations

For the protection of human health

Pollutant	Averaging interval	Assessment threshold [$\mu\text{g}\cdot\text{m}^{-3}$]		Limit value [$\mu\text{g}\cdot\text{m}^{-3}$] LV
		Lower LAT	Upper UAT	
SO ₂	1 hour	—	—	350 max. 24x/year
	24 hours	50 max. 3x/year	75 max. 3x/year	125 max. 3x/year
NO ₂	1 hour	100 max. 18x/year	140 max. 18x/year	200 max. 18x/year
	calendar year	26	32	40
CO	max. daily 8-h running average	5 000	7 000	10 000
benzene	calendar year	2	3.5	5
PM ₁₀	24 hours	25 max. 35/year	35 max. 35x/year	50 max. 35x/year
	calendar year	20	28	40
PM _{2,5}	calendar year	12	17	25
Pb	calendar year	0.25	0.35	0.5
As	calendar year	0.0024	0.0036	0.006
Cd	calendar year	0.002	0.003	0.005
Ni	calendar year	0.010	0.014	0.020
benzo[a]pyrene	calendar year	0.0004	0.0006	0.001
O ₃	max. daily 8-h running average	—	—	120, 25x in 3-year average

For the protection of ecosystems and vegetation

Pollutant	Averaging interval	Assessment threshold [$\mu\text{g}\cdot\text{m}^{-3}$]		Limit value [$\mu\text{g}\cdot\text{m}^{-3}$] LV
		Lower LAT	Upper UAT	
SO ₂	year and winter period (1.10.-31.3.)	8	12	20
NO _x	calendar year	19.5	24	30

Pollutant	Averaging interval	Assessment threshold [$\mu\text{g}\cdot\text{m}^{-3}$]		Limit value [$\mu\text{g}\cdot\text{m}^{-3}\cdot\text{h}$] LV
		Lower LAT	Upper UAT	
O ₃	AOT40, calculated from 1h values between May and July	—	—	18 000 average for 5 years

Note:

AOT40 is the sum of differences between the hourly concentration higher than $80 \mu\text{g}\cdot\text{m}^{-3}$ (= 40 ppb) and the value $80 \mu\text{g}\cdot\text{m}^{-3}$ in the given period by using only hourly values measured every day between 8:00 and 20:00 CET.

(Long-term objectives)

Pollutant	Application	Averaging interval	Limit value [$\mu\text{g}\cdot\text{m}^{-3}$]
O₃	for the protection of human health	max. daily 8-h running average	120

Pollutant	Application	Averaging interval	Limit value [$\mu\text{g}\cdot\text{m}^{-3}\cdot\text{h}$]
O₃	for the protection of ecosystems and vegetation	AOT40, calculated from 1h values between May and July	6 000

The amendment to the Act on protection of the Air of 19 October 2016 came into effect on 1 January 2017. This amendment was promulgated as Act No. 369/2016 Coll., amending Act No. 201/2012 Coll, on protection of the air, as amended, and Act No. 634/2004 Coll., on administrative fees, as amended. This Act enters into effect on 1 January 2017, except for the provisions of Article 1, par. 80 and 91, which will enter into effect on 1 January 2020. This amendment to the Act is related to evaluation of air quality from 2017.