Limit values and permitted number of instances exceeding the limit value, upper and lower assessment thresholds according to Act No. 201/2012 Coll. on the air protection, as amended, and Decree No. 330/2012 Coll., on the method of assessing and evaluating the level of pollution, the scope 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** [µg·m^{-3}]		**Limit value** [µg·m^{-3}]
		Lower assessment threshold	**Upper assessment threshold**	
SO_2	1 hour	—	—	**350** max. 24 times/year
	24 hours	**50** max. 3 times/year	**75** max. 3 times/year	**125** max. 3 times/year
NO_2	1 hour	**100** max. 18 times/year	**140** max. 18 times/year	**200** max. 18 times/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 times/year	**35** max. 35 times/year	**50** max. 35 times/year
	calendar year	**20**	**28**	**40**
$PM_{2,5}$	calendar year	**12**	**17**	**20**[1]
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**[2] **25x** in 3-year average

1 In 2020, in the context of EU legislation and the amendment to the Air Act No. 369/2016 Coll., a stricter limit value of 20 µg·m^{-3} for the annual average concentration of $PM_{2.5}$ entered into force. Until 2019, the limit value of 25 µg·m^{-3} applied

2 If the maximum permitted number of cases exceeding the limit value in a zone or agglomeration is observed, it is necessary to strive to achieve a zero number of such cases (averaging period is one year).

For the protection of ecosystems and vegetation

Pollutant	**Averaging interval**	**Assessment threshold** [µg·m^{-3}]		**Limit value** [µg·m^{-3}]
		Lower assessment threshold	**Upper assessment threshold**	
SO_2	year and winter period (1.10.-31.3.)	**8**	**12**	**20**
NO_x	calendar year	**19.5**	**24**	**30**
O_3	AOT40, calculated from 1h values between May and July[3]	—	—	[µg·m^{-3}·h]
				18 000[4] average for 5 years

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

4 If the limit value in the zone or agglomeration of 18 000 µg·m^{-3}·h is complied with, it is necessary to strive to reach the limit value of 6 000 µg·m^{-3}·h (averaging period is one year).