Limit values and margins of tolerance, upper and lower assessment thresholds, target values and long-term objectives according to Clean Air Act No. 201/2012 Coll. 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 on the level of ambient air pollution and during smog situations

For the protection of human health

Pollutant	Averaging interval	Assessment threshold $[\mu g.m^{-3}]$		Limit value $[\mu g.m^{-3}]$ 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 [µg.m^{-3}]		Limit value [µg.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 [µg.m^{-3}]		Limit value [µg.m^{-3}.h] LV
		Dolní Lower LAT	Horní 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 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.

Long-term objectives

Pollutant	Application	Averaging interval	Long-term objective [µg.m^{-3}]
O$_3$	for the protection of human health	max. daily 8-h running average	120

Pollutant	Application	Averaging interval	Long-term objective [µg.m^{-3}.h]
O$_3$	for the protection of ecosystems and vegetation	AOT40, calculated from 1h values between May and July	6 000