Limit values and margins of tolerance, upper and lower assessment thresholds, target values and long-term objectives according to the Government Order No. 597/2006 Coll., as amended by later regulations, for 2011

for the protection of human health

Limit values LV

Pollutant	Averaging interval	Assessment threshold [µg.m^{-3}]		Limit value [µg.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
PM_{10}	24 hours	**20** max. 7/year	**30** max. 7x/year	**50** max. 35x/year
	calendar year	**10**	**14**	**40**
NO_2	1 hour	**100** max. 18x/year	**140** max. 18x/year	**200** max. 18x/year
	calendar year	**26**	**32**	**40**
Pb	calendar year	**0.25**	**0.35**	**0.5**
CO	max. daily 8-h running average	**5 000**	**7 000**	**10 000**
Benzene	calendar year	**2**	**3.5**	**5**

Target values (TV) and long-term objectives

Pollutant	Averaging interval	Assessment threshold [µg.m^{-3}]		Target value (TV) [µg.m^{-3}]	Date for achieving TV	Long-term objective [µg.m^{-3}]
		Lower LAT	Upper UAT			
O_3	max. daily 8-h running average	—	—	**120, 25x** in 3-year average	31.12.2009*	**120**
Cd	kalendářní rok calendar year	**0.002**	**0.003**	**0.005**	31.12.2012	—
As	kalendářní rok calendar year	**0.0024**	**0.0036**	**0.006**	31.12.2012	—
Ni	kalendářní rok calendar year	**0.010**	**0.014**	**0.020**	31.12.2012	—
BaP	kalendářní rok calendar year	**0.0004**	**0.0006**	**0.001**	31.12.2012	—
$PM_{2.5}$	kalendářní rok calendar year	**12**	**17**	**25**	31.12.2014	—

*Compliance with ozone target values will be assessed as of this date. That is, 2010 will be the first year the data for which is used in calculating compliance over the following three years, as appropriate.

Target value for $PM_{2.5}$ in urban background localitie

Pollutant	Averaging period**	Target value** [µg.m^{-3}]
$PM_{2.5}$	years 2013, 2014 a 2015	**20**

**Target value for PM2.5 is determined for the year 2015 and is expressed as the average of annual average levels of ambient air pollution caused by PM2.5 for the years 2013, 2014 and 2015 in urban background localities in agglomerations and other urban areas with population over 100 000.

for the protection of ecosystems and vegetation

Pollutant	Averaging interval	Assessment threshold [µg.m^{-3}]		Limit value [µg.m^{-3}]
		Lower LAT	Upper UAT	LV
SO_2	ryear and winter period (1.10.-31.3.)	**8**	**12**	**20**
NO_x	calendar year	**19.5**	**24**	**30**

Pollutant	Averaging interval	Long-term objective [µg.m^{-3}.h]	Target value with effect from 31.12.2009* [µg.m^{-3}.h]
O_3	AOT40, calculated from 1h values between May and July	**6 000**	**18 000** average for 5 years

*Compliance with ozone target values will be assessed as of this date. That is, 2010 will be the first year the data for which is used in calculating compliance over the following five years, as appropriate.

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.