

## Limits and guidelines for assessing the pollution load in $\mu\text{g}/\text{m}^3$ (2012)

Pollutant		Immission values „TA Luft“	MIK-values VDI 2310	Con- ductance WHO	Limit and target value 39. BImSchV	Guidelines german bath association
<b>SO<sub>2</sub></b>	I1	50	-	-	-	-
	I2	-	-	-	-	-
	24 h	125 <sup>m</sup>	300	20	125 <sup>m</sup>	-
	1 h	350 <sup>l</sup>	-	-	350 <sup>l</sup>	-
	1/2 h	-	1000	-	-	-
	10 min	-	-	500	-	-
<b>NO<sub>2</sub></b>	I1	40	20	40	40	15 - 34 <sup>b</sup>
	I2	-	-	-	-	30 - 50 <sup>b</sup>
	24 h	-	50	-	-	-
	1 h	200 <sup>c</sup>	-	200	200 <sup>c</sup>	-
	1/2 h	-	-	-	-	-
<b>O<sub>3</sub></b>	I1	-	-	-	-	-
	I2	-	-	-	-	-
	8 h	-	100	100	120 <sup>o</sup>	-
	1 h	-	-	-	180/ 240 <sup>k</sup>	-
	1/2 h	-	120	-	-	-
<b>PM<sub>10</sub></b>	I1	40	75 <sup>f</sup>	20	40	15 - 24 <sup>b</sup>
	I2	-	-	-	-	30 - 48 <sup>b</sup>
	24 h	50 <sup>i</sup>	150/ 250 <sup>e,f</sup>	50	50 <sup>i</sup>	-
	1 h	-	500 <sup>f</sup>	-	-	-
<b>PM<sub>2,5</sub></b>	I1	-	-	10	25 <sup>n</sup>	-
	24 h	-	-	25	-	-
<b>CO</b>	I1	-	10000	-	-	-
	I2	-	-	-	-	-
	24 h	-	10000	-	-	-
	8 h	-	-	-	10000	-
	1/2 h	-	50000	-	-	-
<b>Benzene</b>	I1	5	-	-	5	4 - 5
	I2	-	-	-	-	8 - 10

I<sub>1</sub>: arithmetical annual mean value

I<sub>2</sub>: 98- Percentil during 1 year

<sup>b</sup> depending from location; I<sub>2</sub>-values as a 14 days mean

<sup>c</sup> 18 exceedings are allowed in the year

<sup>d</sup> only for 2 successive values

<sup>e</sup> on successive days

<sup>f</sup> total dust

<sup>i</sup> allowed 35 exceedings per year

<sup>k</sup> 180: limit value to inform the population

240: limit value to warn the population

<sup>l</sup> allowed 24 exceedings per year

<sup>m</sup> allowed 3 exceedings per year

<sup>n</sup> target value to 01/01/2015

<sup>o</sup> allowed 25 days exceedings per year