

Information on particulate matter PM₁₀

1 Limit values

Table 1

	Averaging period	Limit value	Date by which limit value is to be met	Margin of tolerance
Limit value for the protection of human health	Calendar year	40 µg/m ³ PM ₁₀	1 January 2005	8 µg/m ³ in zones with time extension until 11.6.2011
Limit value for the protection of human health	24 hours	50 µg/m ³ PM ₁₀ , not to be exceeded more than 35 times a calendar year	1 January 2005	25 µg/m ³ in zones with time extension until 11.6.2011

The sampling volume refers to ambient conditions in terms of temperature and atmospheric pressure at the date of measurements.

2 Upper and lower assessment thresholds

Table 2

	24-hour average	Annual average
Upper assessment threshold	35 µg/m ³ , not to be exceeded more than 35 times in any calendar year	28 µg/m ³
Lower assessment threshold	25 µg/m ³ , not to be exceeded more than 35 times in any calendar year	20 µg/m ³

3 Data quality objectives

Table 3

Data collection	Data quality objective
Continuous measurement	
Uncertainty	25 %
Minimum data capture	90 %
Indicative measurement	
Uncertainty	50 %
Minimum data capture	90 %
Minimum time coverage	14 % (One day's measurement a week at random, evenly distributed over the year, or eight weeks evenly distributed over the year.)
Modelling	
Uncertainty	
Daily averages	Not defined at present
Annual averages	50 %
Objective estimation	
Uncertainty	100 %

4 Reference method for the measurement of PM₁₀

The reference method for the sampling and measurement of PM₁₀ is that described in EN12341:2014 “Ambient Air — standard gravimetric measurement method for the determination of the PM₁₀ or PM_{2,5} mass concentration of suspended particulate matter”.

5 Legal basis

- Directive 2008/50/EC of 21 May 2008 on ambient air quality and cleaner air for Europe (OJ EC. L 152/1)
- COMMISSION DIRECTIVE (EU) 2015/1480 of 28 August 2015 amending several annexes to Directives 2004/107/EC and 2008/50/EC of the European Parliament and of the Council laying down the rules concerning reference methods, data validation and location of sampling points for the assessment of ambient air quality
- 39th Ordinance Implementing the Federal Immission Control Act (Ordinance on Air Quality Standards and Emission Ceilings - 39. BImSchV)