

Information on lead

1 Limit value

Table 1

Averaging period	Limit value	Date by which limit value is to be met
Annual limit value for the protection of human health	0.5 µg/m ³	1 January 2005

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

Annual average	
Upper assessment threshold	0.35 µg/m ³
Lower assessment threshold	0.25 µg/m ³

3 Data quality objectives

Table 3

Data collection	Data quality objectives
Continuous measurement	
Uncertainty	25 %
Minimum data capture	90 %
Indicative measurements	
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	
Annual averages	50 %
Objective estimation	
Uncertainty	100 %

4 Reference method for the sampling/analysis of lead

The reference method for the measurement of lead is that described in EN 14902:2005 “Standard method for measurement of Pb/Cd/As/Ni in the PM10 fraction of suspended particulate matter”: Determination of the particulate lead content of aerosols collected in filters followed by atomic absorption spectroscopy method.

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)