

## Information on lead

### Limit value

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

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

### Upper and lower assessment thresholds

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

### Data quality objectives

Data collection	Data quality objectives
<i>Continuous measurement</i>	
Uncertainty	25 %
Minimum data capture	90 %
<i>Indicative measurements</i>	
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.)
<i>Modelling</i>	
Uncertainty	
Annual averages	50 %
<i>Objective estimation</i>	
Uncertainty	100 %

### **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 PM<sub>10</sub> fraction of suspended particulate matter”: Determination of the particulate lead content of aerosols collected in filters followed by atomic absorption spectroscopy method.

### **Legal basis**

- Directive 2008/50/EC of 21 May 2008 on ambient air quality and cleaner air for Europe (OJ EC. L 152/1)
- 39th Ordinance Implementing the Federal Immission Control Act (Ordinance on Air Quality Standards and Emission Ceilings - 39. BImSchV)