

SCHEDULE 8

Regulation 9(13)

REFERENCE METHODS FOR ASSESSMENT OF CONCENTRATIONS OF RELEVANT POLLUTANTS AND OZONE

PART I

REFERENCE METHOD FOR THE ANALYSIS OF SULPHUR DIOXIDE

ISO/FDIS 10498 (Standard in draft) Ambient air – determination of sulphur dioxide – ultraviolet fluorescence method.

PART II

REFERENCE METHOD FOR THE ANALYSIS OF NITROGEN DIOXIDE AND OXIDES OF NITROGEN

ISO 7996: 1985 Ambient air – determination of the mass concentrations of nitrogen oxides – chemiluminescence method.

PART IIIA

REFERENCE METHOD FOR THE SAMPLING OF LEAD

The reference method for the sampling of lead will be that described in the Annex to Directive [82/884/EEC](#)(1) until such time as the limit value in Schedule 1 to these Regulations is to be met, when the reference method will be that for PM₁₀ specified in Part IV of this Schedule.

PART IIIB

REFERENCE METHOD FOR THE ANALYSIS OF LEAD

ISO 9855: 1993 Ambient air – Determination of the particulate lead content of aerosols collected in filters. Atomic absorption spectroscopy method(2).

PART IV

REFERENCE METHOD FOR THE SAMPLING AND MEASUREMENT OF PM₁₀

The reference method for the sampling and measurement of PM₁₀ will be that described in EN 12341 “Air Quality – Field Test Procedure to Demonstrate Reference Equivalence of Sampling Methods for the PM₁₀ fraction of particulate matter”(3). The measurement principle is based on the collection on a filter of the PM₁₀ fraction of ambient particulate matter and the gravimetric mass determination.

(1) O.J. No. L 378, 31.12.1982, p.15.

(2) European Standards Institute “CEN” publication reference BSEN 12341, obtainable from the British Standards Institution, see note (a) to Part I of Schedule 7 above.

(3) European Standards Institute “CEN” publication reference BSEN 12341, obtainable from the British Standards Institution, as for footnote (a) to Part I of Schedule 7 above.

Status: This is the original version (as it was originally made).

PART V

REFERENCE METHOD FOR THE SAMPLING AND ANALYSIS OF BENZENE

The reference method for the measurement of benzene will be a pumped sampling method on a sorbent cartridge followed by gas chromatographic determination.

PART VI

REFERENCE METHOD FOR THE ANALYSIS OF CARBON MONOXIDE

The reference method for the measurement of carbon MONOXIDE will be a non-dispersive infrared spectrometric (NDIR) method.

PART VII

REFERENCE METHODS FOR THE ANALYSIS OF OZONE AND CALIBRATION OF OZONE INSTRUMENTS

The reference method for analysis of ozone shall be the UV photometric method (ISO FDIS 13964 or equivalent).

The reference method for calibration of ozone instruments shall be the Reference UV photometer method (ISO FDIS 13964, VDI 2468, B1.6 or equivalent).