

PŘÍLOHA 3

TECHNICKÉ NORMY ČSN, ISO, CEN A NÁVRHY NOREM V PRACOVNÍCH PROGRAMECH ISO A CEN, TÝKAJÍCÍ SE METOD MĚŘENÍ IMISÍ NEBO VYUŽITELNÉ PŘI MĚŘENÍ IMISÍ

Číslo normy	Název normy	Vydána
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Původní normy ČSN dosud platné (ve formátu A5)

ČSN 83 5030	Účinky a posuzování pachů - Stanovení parametrů obtěžování dotazováním panelového vzorku obyvatel	duben 00
ČSN 83 5031	Stanovení pachových látek ve venkovním ovzduší terénním průzkumem	duben 94
ČSN 83 5510	Ochrana ovzduší. Metody stanovení imisí znečišťujících látek. Všeobecné požadavky	
ČSN 83 5511	Ochrana ovzduší. Odběr vzorku při měření imisí. Všeobecné požadavky	
ČSN 83 5611	Ochrana ovzduší. Měření imisí polétavého prachu gravimetrickou metodou	
ČSN 83 5707	Ochrana ovzduší. Měření a hodnocení znečištění ovzduší automobilovou dopravou	
ČSN 83 5711	Ochrana ovzduší. Měření imisí amoniaku indofenolovou metodou	

Normy ISO převedené do ČSN

ČSN ISO 4221 (83 5712)	Kvalita ovzduší – Stanovení hmotnostní koncentrace oxidu siřičitého ve venkovním ovzduší – Thorinová spektrofotometrická metoda	
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Normy CEN převedené do ČSN

ČSN EN 12341 (83 5612)	Kvalita ovzduší - Stanovení frakce PM10 aerosolových částic – Referenční metoda a postup při terénní zkoušce ověření požadované těsnosti shody mezi výsledky hodnocené a referenční metody	
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Normy ISO dosud nepřevedené do ČSN

ISO 4219:1979	Air quality – Determination of gaseous sulphur compounds in ambient air – Sampling equipment	
ISO 4220:1983	Ambient air – Determination of gaseous acid air pollution index – Titrimetric method with indicator or potentiometric end-point detection	
ISO 4224:2000	Ambient air – Determination of carbon monoxide – Non-dispersive infrared spectrometric method	
ISO 6767:1990	Ambient air – Determination of the mass concentration of sulphur dioxide – Tetrachloromercurate (TCM)/pararosaniline method	
ISO 6768:1998	Ambient air – Determination of mass concentration of nitrogen dioxide – Modified Griess-Saltzman method	
ISO 7168-1:1998	Air quality – Exchange of data – Part 1: General data format	
ISO 7168-2:1998	Air quality – Exchange of data – Part 2: Condensed data format	
ISO 7708:1995	Air quality – Particle size fraction definitions for health-related sampling	
ISO 7996:1985	Ambient air – Determination of the mass concentration of nitrogen oxides – Chemiluminescence method	
ISO 8186:1989	Ambient air – Determination of the mass concentration of carbon monoxide – Gas chromatographic method	
ISO 8672:1993	Air quality – Determination of the number concentration of airborne inorganic fibres by phase contrast optical microscopy – Membrane filter method	
ISO 8756:1994	Air quality – Handling of temperature, pressure and humidity data	
ISO 9835:1989	Ambient air – Determination of a black smoke index	
ISO 9855:1993	Ambient air – Determination of the particulate lead content of aerosols collected on filters – Atomic absorption spectrometric method	
ISO 10312:1995	Ambient air – Determination of asbestos fibres – Direct transfer transmission electron microscopy method	

ISO 10313:1993	Ambient air – Determination of the mass concentration of ozone – Chemiluminescence method (English only)	
ISO 10473:2000	Ambient air – Measurement of the mass of particulate matter on a filter medium – Beta-ray absorption method	
ISO 11454:1997	Ambient air – Tobacco and tobacco products – Determination of vapour-phase nicotine in air – Gas-chromatographic method	
ISO 12884:2000	Ambient air – Determination of total (gas and particle-phase) polycyclic aromatic hydrocarbons – Collection on sorbent-backed filters with gas-chromatographic / mass spectrometric analyses	
ISO 13752:1998	Air quality – Assessment of uncertainty of a measurement method under field conditions using a second method as reference	
ISO 13794:1999	Ambient air – Determination of asbestos fibres – Indirect-transfer transmission electron microscopy method (English only)	
ISO 13964:1998	Air quality – Determination of ozone in ambient air – Ultraviolet photometric method	
ISO 14965:2000	Air quality – Determination of total non-methane organic compounds – Cryogenic preconcentration and direct flame ionization detection method	
ISO 8518:2001	Workplace air – Determination of particulate lead and lead compounds – Flame or electrothermal atomic absorption spectrometric method	
ISO 8760:1990	Workplace air – Determination of mass concentration of carbon monoxide – Method using detector tubes for short-term sampling with direct indication	
ISO 8761:1989	Workplace air – Determination of mass concentration of nitrogen dioxide – Method using detector tubes for short-term sampling with direct indication	
ISO 8762:1988	Workplace air – Determination of vinyl chloride – Charcoal tube/gas chromatographic method	
ISO 9486:1991	Workplace air – Determination of vaporous chlorinated hydrocarbons – Charcoal tube/solvent desorption/gas chromatographic method	
ISO 9487:1991	Workplace air – Determination of vaporous aromatic hydrocarbons – Charcoal tube/solvent desorption/gas chromatographic method	
ISO 11041:1996	Workplace air – Determination of particulate arsenic and arsenic compounds and arsenic trioxide vapour – Method by hydride generation and atomic absorption spectrometry	
ISO 11174:1996	Workplace air – Determination of particulate cadmium and cadmium compounds – Flame and electrothermal atomic absorption spectrometric method	
ISO 15202-1:2000	Workplace air – Determination of metals and metalloids in airborne particulate matter by inductively coupled plasma atomic emission spectrometry – Part 1: Sampling	
ISO 15202-2:2001	Workplace air – Determination of metals and metalloids in airborne particulate matter by inductively coupled plasma atomic emission spectrometry – Part 2: Sample preparation	
ISO 15767:2003	Workplace atmospheres – Controlling and characterizing errors in weighing collected aerosols	
ISO 16107:1999	Workplace atmospheres – Protocol for evaluating the performance of diffusive samplers	
ISO 16200-1:2001	Workplace air quality – Sampling and analysis of volatile organic compounds by solvent desorption/gas chromatography – Part 1: Pumped sampling method	
ISO 16200-2:2000	Workplace air quality – Sampling and analysis of volatile organic compounds by solvent desorption/gas chromatography – Part 2: Diffusive sampling method	
ISO 16702:2001	Workplace air quality – Determination of total isocyanate groups in air using 2-(1-methoxyphenyl)piperazine and liquid chromatography	
ISO 4226:1993	Air quality – General aspects – Units of measurement	
ISO 6879:1995	Air quality – Performance characteristics and related concepts for air quality measuring methods	
ISO 7168-1:1999	Air quality – Exchange of data – Part 1: General data format	
ISO 7168-2:1999	Air quality – Exchange of data – Part 2: Condensed data format	
ISO 8756:1994	Air quality – Handling of temperature, pressure and humidity data	
ISO 9169:1994	Air quality – Determination of performance characteristics of measurement methods	
ISO 9359:1989	Air quality – Stratified sampling method for assessment of ambient air quality	
ISO 11222:2002	Air quality – Determination of the uncertainty of the time average of air quality measurements	
ISO 13752:1998	Air quality – Assessment of uncertainty of a measurement method under field conditions using a second method as reference	
ISO 14956:2002	Air quality – Evaluation of the suitability of a measurement procedure by comparison with a required measurement uncertainty	
ISO 15593:2001	Environmental tobacco smoke – Estimation of its contribution to respirable suspended particles – Determination of particulate matter by ultraviolet absorbance and by fluorescence	

ISO 16017-1:2000	Indoor, ambient and workplace air – Sampling and analysis of volatile organic compounds by sorbent tube / thermal desorption / capillary gas chromatography – Part 1: Pumped sampling	
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Normy CEN dosud nepřevedené do ČSN

EN ISO 14956:2002	Air quality - Evaluation of the suitability of a measurement procedure by comparison with a required measurement uncertainty	15.08.02
EN ISO 16017-1:2000	Indoor, ambient and workplace air - Sampling and analysis of volatile organic compounds by sorbent tube/thermal desorption/capillary gas chromatography - Part 1: Pumped sampling	15.11.00
EN ISO 16017-2:2003	Indoor, ambient and workplace air - Sampling and analysis of volatile organic compounds by sorbent tube/thermal desorption/capillary gas chromatography - Part 2: Diffusive sampling	15.05.03
EN 12341:1998	Air quality - Determination of the PM 10 fraction of suspended particulate matter - Reference method and field test procedure to demonstrate reference equivalence of measurement methods	18.11.98
EN 13528-1:2002	Ambient air quality - Diffusive samplers for the determination of concentrations of gases and vapours - Requirements and test methods - Part 1: General requirements	25.09.02
EN 13528-2:2002	Ambient air quality - Diffusive samplers for the determination of concentrations of gases and vapours - Requirements and test methods - Part 2: Specific requirements and test methods	25.09.02
EN 13725:2003	Air quality - Determination of odour concentration by dynamic olfactometry	16.04.03
CR 14377:2002	Air quality - Approach to uncertainty estimation for ambient air reference measurement methods	16.01.02
EN 481:1993	Workplace atmospheres - Size fraction definitions for measurement of airborne particles	
EN 482:1994	Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents	
EN 838:1995	Workplace atmospheres - Diffusive samplers for the determination of gases and vapours - Requirements and test methods	
EN 13205:2001	Workplace atmospheres - Assessment of performance of instruments for measurement of airborne particle concentrations	
EN 13890:2002	Workplace atmospheres - Procedures for measuring metals and metalloids in airborne particles - Requirements and test methods	23.10.02
EN 14031:2003	Workplace atmospheres - Determination of airborne endotoxins	22.01.03

ISO Technical programme: TC 146 Air Quality

ISO/DIS 15202-3	Workplace air - Determination of metals and metalloids in airborne particulate matter by inductively coupled plasma atomic emission spectrometry - Part 3: Analysis
ISO/DIS 16740	Workplace air - Determination of hexavalent chromium in airborne particulate matter - Method by ion chromatography and spectrophotometric measurement using diphenyl carbazide
ISO/DIS 17733	Workplace air - Determination of mercury and inorganic mercury compounds - Method by cold vapour atomic absorption spectrometry or atomic fluorescence spectrometry
ISO/AWI 17737	Workplace air - Guidelines for selecting analytical methods for sampling and analyzing isocyanates in air
ISO/DIS 16362	Ambient air - Determination of particle-phase polycyclic aromatic hydrocarbons by high performance liquid chromatographic analysis
ISO/CD 9169	Air quality - Definition and quantification of performance characteristics of measuring systems
ISO/AWI 20988	Air quality - Guide to estimating measurement uncertainty

CEN/TC 264 Air Quality Work Programme

WI N°	Project Reference	Title	Current Status
264021	prEN 13528-3	Ambient air quality – Diffusive samplers for the determination of concentrations of gases and vapours - Part 3: Guide to selection, use and maintenance	Under Approval
264022	CEN/TC 264 N 609	Air quality – Reference method for the measurement of Pb/Cd/As/Ni in ambient air for the implementation of EC Air Quality Directives	Under Development
264027	prEN 14212	Ambient air quality - Measurement method for the determination of the concentration of sulphur dioxide by ultraviolet fluorescence	Under Approval
264028	prEN 14211	Ambient air quality - Measurement method for the determination of the concentration of nitrogen dioxide and nitrogen monoxide by chemiluminescence	Under Approval

264029	prEN 14625	Ambient air quality - Measurement method for the determination of ozone in ambient air by means of ultraviolet photometric method	Under Approval
264030	prEN 14626	Ambient air quality - Measurement method for the determination of carbon monoxide in ambient air by means of the non-dispersive infrared method	Under Approval
264038	prEN	Ambient air quality- Reference gravimetric measurement method for the determination of the PM2.5 mass fraction of suspended particulate matter in ambient air	Under Development
264045	-	Ambient air measurements near ground with FTIR spectroscopy	Under Development
264046	-	Air Quality - Deposition measurements of heavy metals	Under Development
264050	prEN 14662-1	Ambient air quality - Standard method for the measurement of benzene concentration - Part 1: Pumped sampling followed by thermal desorption and gas chromatography method	Under Approval
264051	prEN 14662-2	Ambient air quality - Standard method for the measurement of benzene concentration - Part 2: Pumped sampling followed by solvent desorption and gas chromatography	Under Approval
264052	prEN 14662-3	Ambient air quality - Standard method for the measurement of benzene concentration - Part 3: Automated pumped sampling with in situ gas chromatographic analysis	Under Approval
264053	prEN 14662-4	Ambient air quality - Standard method for measurement of benzene concentrations - Part 4: Diffusive sampling followed by thermal desorption and gas chromatography	Under Approval
264054	prEN 14662-5	Ambient air quality - Standard method for measurement of benzene concentrations - Part 5: Diffusive sampling followed by solvent desorption and gas chromatography	Under Approval
264055	-	Measurement method for B[a]P	Under Development
264057	-	Minimum requirements for an air quality AMS certification scheme	Under Development
264059	prEN ISO 9169	Air quality - Definition and determination of performance characteristics of automated measuring systems under specified test conditions	Under Development
264060	prEN ISO 20988	Air Quality - Guide to estimating measurement uncertainty	Under Development

