EA MLA Signatory
Český institut pro akreditaci, o.p.s.
Olšanská 54/3, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products, as amended

CERTIFICATE OF ACCREDITATION

No. **366/2021**

TOP - ENVI Tech Brno, s.r.o.
with registered office Zábrdovická 827/10, Zábrdovice, 615 00 Brno,
Company Registration No. 15527875

for the Testing Laboratory No. **1536**
Air Quality Testing Laboratory

Scope of accreditation:

Measurement of emissions and odour substances to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of Accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the Conformity Assessment Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited Conformity Assessment Body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 233/2020 of 9. 4. 2020, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **2. 7. 2026**

Prague: 2. 7. 2021

Český institut pro akreditaci, o.p.s.
NÁRODNÍ AKREDITAČNÍ ORGÁN
-3-

Jan Velíšek
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute

The Appendix is an integral part of
Certificate of Accreditation No: 366/2021 of 02/07/2021

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

TOP - ENVI Tech Brno, s.r.o.
Air Quality Testing Laboratory
Křižíkova 70b, 612 00 Brno

Tests:

Ordinal number[1]	Test procedure/method name	Test procedure/method identification [2]	Subject of the test
1	Determination of mass concentration of solid pollutants by gravimetry	SOP 1 (ČSN ISO 9096:1998, ČSN EN 13284-1)	Emissions
2	Determination of mass concentration of metals by calculation from measured values (As, Cd, Cr, Co, Cu, Mn, Ni, Pb, Sb, Tl, V, Zn, Sn, Se, Hg) [3)]	SOP 2 (ČSN EN 14385, ČSN EN 13211)	Emissions
3	Determination of mass concentration of gases and vapours by absorption into liquid by calculation from the measured values (HCl, HF, ammonia, cyanides, SO_2) [3)]	SOP 3 (ČSN EN 1911, ČSN 83 4752:1990, ČSN 83 4728, ČSN EN 14791)	Emissions
4	Determination of mass concentration of volatile organic compounds (VOC) by capture on a solid sorbent by calculation from measured values [3)]	SOP 4 (ČSN EN ISO 16017-1, ČSN P CEN/TS 13649)	Emissions
5	Determination of the mass concentration of persistent organic compounds by calculation from measured values (PCDD/PCDF, PCB, PAH) [3)]	SOP 5 (ČSN EN 1948-1, ČSN EN 1948-3, ČSN EN 1948-4)	Emissions
6*	Determination of mass concentration of gaseous pollutants (NO, NO_2, SO_2, CO_2, CO) by NDIR method	SOP 6 (ČSN ISO 10396:1998, ČSN ISO 10 849, ČSN ISO 7935, ČSN EN 15058)	Emissions
7*	Determination of the volume concentration of oxygen (O_2) by paramagnetic method	SOP 6, part 2 (ČSN ISO 10396:1998, ČSN EN 14789)	Emissions

Český institut pro akreditaci, o.p.s.
NÁRODNÍ AKREDITAČNÍ ORGÁN

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

TOP - ENVI Tech Brno, s.r.o.
Air Quality Testing Laboratory
Křižíkova 70b, 612 00 Brno

Ordinal number[1]	Test procedure/method name	Test procedure/method identification [2]	Subject of the test
8*	Determination of the mass concentration of organic compounds expressed as total organic carbon (TOC) by FID method	SOP 6, part 3 (ČSN EN 12619)	Emissions
9*	Determination of velocity and volume flowrate	SOP 7, part 1 (ČSN ISO 10780)	Emissions
10*	Determination of water vapour (H_2O) in ducts by condensation method and capacitance detector	SOP 7, part 2 (ČSN EN 14790)	Emissions
11	Determination of concentration of odour substances by dynamic olfactometry	SOP 10 (ČSN EN 13725)	Emissions and air
12*	Quality assessment of automated measuring systems	SOP 11 (ČSN EN 14181, cl. 6, QAL2, cl. 8 AST)	Automated emission measuring systems

[1] asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises

[2] if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes)

[3] laboratory determination of analytes in the sample is subcontracted to an accredited testing laboratory

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification[1]	Subject of sampling
1	Isokinetic sampling of solid pollutants (automatic and manual isokinetic control)	SOP 1/O (ČSN ISO 9096:1998, ČSN EN 13284-1)	Emissions
2	Isokinetic sampling for metal determination (automatic isokinetic control) (As, Cd, Cr, Co, Cu, Mn, Ni, Pb, Sb, Tl, V, Zn, Sn, Se, Hg)	SOP 2/O (ČSN EN 14385, ČSN EN 13211)	Emissions

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

TOP - ENVI Tech Brno, s.r.o.
Air Quality Testing Laboratory
Křižíkova 70b, 612 00 Brno

Ordinal number	Sampling procedure name	Sampling procedure identification[1]	Subject of sampling
3	Sampling of gases and vapours by absorption in a liquid (HCl, HF, ammonia, cyanides, SO_2)	SOP 3/O (ČSN EN 1911, ČSN 83 4752-2:1990, ČSN 83 4728-2 ČSN EN 14791)	Emissions
4	Sampling of volatile organic compounds (VOC) by capture on a solid sorbent	SOP 4/O (ČSN EN ISO16017-1 ČSN P CEN/TS 13649)	Emissions
5	Isokinetic sampling for the determination of persistent organic pollutants (automatic isokinetic control) (PCDD/PCDF, PCB, PAH)	SOP 5/O (ČSN EN 1948-1, ČSN EN 1948-4)	Emissions
6 - 10	Reserved		
11	Sampling of odour substances	SOP 10/O (ČSN EN 13725)	Emissions and air

[1] if the document identifying the sampling procedure is dated, only these specific procedures are used. If the document identifying the sampling procedure is not dated, the latest edition of the specified procedure is used (including any changes)

Explanatory notes:

Emission – waste gas containing pollutants, which is released in a controlled manner or leaks into atmosphere from pollution sources
SOP – Standard Operating Procedure
TOC – The sum of volatile organic compounds expressed as total organic carbon
VOC – Volatile Organic Compounds
NDIR – Nondispersive Infrared Spectrometry
FID – Flame Ionization Detection
PCDD/PCDF – Polychlorinated Dibenzodioxins/Polychlorinated Dibenzofurans
PCB – Polychlorinated Biphenyls
PAH – Polycyclic Aromatic Hydrocarbons