EA MLA Signatory
Český institut pro akreditaci, o.p.s.
(Czech Accreditation Institute)
Hájkova 2747/22, Žižkov, 130 00 Praha 3

issues

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

CERTIFICATE OF ACCREDITATION

No. **695/2025**

SGS Czech Republic, s.r.o.
with registered office K Hájům 1233/2, Stodůlky, 155 00 Praha 5
Company Registration No. 48589241

for the Testing Laboratory No. **1152.1**
Testing Laboratory

Scope of accreditation:

Testing of fuels, petroleum and petroleum products, lubricants, oils and technical fluids, interior materials and parts of motor vehicles; sampling of fuels, operating fluids, lubricants and water 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 abovementioned Accredited 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.: 188/2025 of 16/04/2025, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **16/04/2030**

Prague: 22/12/2025

Český institut pro akreditaci, o.p.s. «CAI»

Signed in the Czech original:
Gor Petrosjan on 22/12/2025

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

This translation of the Czech original has been issued by: Eliška Frycová

The Appendix is an integral part of
Certificate of Accreditation 695/2025 of 22/12/2025

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

SGS Czech Republic, s.r.o.
CAB number 1152.1, Testing Laboratory
U Trati 42, 100 00 Praha 10

Testing laboratory locations:

1. **Laboratory Praha** U Trati 42, 100 00 Praha 10
2. **Laboratory Kolín** Ovčárecká 314, 280 00 Kolín V

The laboratory applies a flexible approach to the scope of accreditation.
The current list of activities carried out within the flexible scope is available on the laboratory's website https://www.dobrapumpa.cz/akreditace in the form of the „List of activities within the flexible scope of accreditation".
The laboratory is qualified to carry out standalone sampling.
Detailed information on activities within the scope of accreditation (determined analytes) is given in the section „Specification of the scope of accreditation".

Tests:

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
1[1]	Determination of density by oscillating U-tube and calculation of relative density and API density from measured values	SOP 27 (ČSN EN ISO 12185; ASTM D4052)	Petroleum, petroleum products and related products, biofuels, oils	A, D
2[1]	Determination of density by hydrometer	SOP 6 (ČSN EN ISO 3675)	Petroleum, petroleum products, biofuels	A, D
3[2]	Determination of kinematic viscosity, viscosity index and density by Stabinger viscometer	SOP 3 (ASTM D7042; ČSN EN 16896; ČSN EN ISO 23581; ČSN ISO 2909)	Petroleum, petroleum products and related products, biofuels, oils	A, D
4[2]	Determination of kinematic viscosity by capillary viscometer and calculation of viscosity index from measured values	SOP 40 (ČSN EN ISO 3104); SOP 41 (ČSN ISO 2909)	Petroleum, petroleum products and related products, biofuels, oils	A, D
5[1]	Determination of pour point	SOP 126 (ČSN EN ISO 3016; ASTM D97; ASTM D6749)	Petroleum products and related products, oils	A, D
6[1]	Determination of cold filter plugging point	SOP 36 (ČSN EN 116)	Petroleum products and related products, biofuels, oils	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
7[1]	Determination of cloud point	SOP 38 (ČSN EN ISO 3015; ČSN EN ISO 22995; ASTM D7683; ASTM D2500)	Petroleum products and related products, biofuels, oils	A, D
8[1,2]	Determination of flash point - Pensky-Martens closed cup method	SOP 29 (ČSN EN ISO 2719)	Petroleum products and related products, biofuels, oils	A, D
9[2]	Determination of flash point - Cleveland open cup method	SOP 31 (ČSN EN ISO 2592)	Petroleum products and related products, oils	A, D
10[1]	Determination of flash point - Abel-Pensky closed cup method	SOP 92 (DIN 51755)	Petroleum products and related products, technological fluids	A, D
11[1]	Determination of vapour pressure	SOP 11 (ČSN EN 13016-1)	Petroleum products and related products, biofuels, E-85	A, B, D
12[1,2]	Determination of distillation characteristics at atmospheric pressure and calculation of cetane index from measured values	SOP 26 (ČSN EN ISO 3405; ASTM D86); SOP 35 (ČSN EN ISO 4264)	Petroleum products and related products, biofuels, oils	A, D
13[1]	Determination of distillation characteristics by microdistillation and calculation of cetane index from measured values	SOP 125 (ČSN EN 17306; ASTM D7345); SOP 35 (ČSN EN ISO 4264)	Petroleum products and related products, biofuels, oils	A, D
14[1]	Determination of water content by distillation method	SOP 58 (ČSN EN ISO 9029)	Petroleum, petroleum products and related products, oils	A, D
15[2]	Determination of ash by gravimetry	SOP 46, method A (ČSN EN ISO 6245)	Petroleum products and related products, oils	A, D
16[2]	Determination of sulfated ash by gravimetry	SOP 46, method B (ČSN ISO 3987)	Biofuels, oils	A, D
17[2]	Determination of Conradson carbon residue by gravimetry	SOP 43 (ČSN ISO 6615)	Petroleum products and related products, oils	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
18[2]	Determination of dry residue by gravimetry after evaporation on water bath	SOP 34, method B (ČSN ISO 759)	Petroleum products and related products, technical liquids	A, D
19[2]	Determination of dry residue by gravimetry after evaporation on water bath	SOP 34, method A (ČSN EN 15691)	Ethanol, E-85	A, D
20[1]	Determination of gum content by gravimetry after evaporation with jet stream, calculation of mixing ratio from measured values	SOP 28 (ČSN EN ISO 6246)	Petroleum products and related products, E-85	A, D
21[1]	Determination of total contamination of low-viscosity fuels by gravimetry	SOP 33, method A (ČSN EN 12662-1)	Petroleum products and related products	A, D
22[1]	Determination of total contamination of low-viscosity fuels by gravimetry	SOP 33, method B (ČSN EN 12662:2001)	Biofuels	A, D
23[1]	Determination of total contamination of low-viscosity fuels by gravimetry	SOP 33, method C (ČSN EN 12662-2)	Biofuels	A, D
24[1,2]	Determination of mechanical impurities and deposits by filtration by gravimetry	SOP 88, method A (ČSN 65 6220; ASTM D4055)	Oils and hydraulic fluids	A, D
25[1,2]	Determination of mechanical impurities and deposits by filtration by gravimetry	SOP 88, method B (ČSN 65 6080; ASTM D4807)	Petroleum, petroleum products and related products	A, D
26[1]	Determination of mechanical impurities and deposits by filtration by gravimetry	SOP 88, method C (ČSN ISO 22241-2, Annex G)	Aqueous solution of urea (AUS 32)	A, D
27[1]	Determination of insoluble residue by gravimetry	SOP 119 (ČSN EN 15471)	LPG	A, D
28[1]	Determination of iodine value by iodometric titration	SOP 103 (ČSN EN 14111)	Biofuels	A, D
29[1,2]	Determination of acidity and acid number by titration	SOP 47, method A (ČSN EN 15491)	Ethanol, E-85	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
30[1,2]	Determination of acidity and acid number by titration	SOP 47, method B (ČSN ISO 1388-2)	Ethanol	A, D
31[1,2]	Determination of acidity and acid number by titration	SOP 47, method C (ČSN EN 14104)	Biofuels	A, D
32[1,2]	Determination of acidity and acid number by titration and calculation of the content of free fatty acids from measured values	SOP 47, method D (ČSN EN ISO 660)	Fats, oils	A, D
33[1,2]	Determination of acidity and acid number by titration	SOP 47, method E (ČSN ISO 6618)	Petroleum products and related products, oils	A, D
34[1]	Determination of total acid number (TAN) by potentiometric titration	SOP 20 (ČSN ISO 6619)	Petroleum products and related products, oils	A, D
35[1]	Determination of base number (TBN) by potentiometric titration	SOP 19 (ČSN ISO 3771)	Petroleum products and related products, oils	A, D
36[1]	Determination of alkalinity by potentiometric titration	SOP 59 (ČSN ISO 22241-2, Annex D)	Aqueous solution of urea (AUS 32)	A, D
37[1]	Determination of the content of inorganic chloride by potentiometric titration	SOP 4 (ČSN EN 15484)	Ethanol, E-85	A, D
38[1]	Determination of the content of chlorides by potentiometric titration	SOP 154 (ČSN 65 6030)	Petroleum	A, D
39[1]	Determination of water content by potentiometry - Karl Fischer method	SOP 51, method D (ČSN ISO 760)	Petroleum, petroleum products and related products, biofuels, oils, technological fluids	A, D
40[1,2]	Determination of water content by coulometry - Karl Fischer method	SOP 51, method A (ČSN EN ISO 12937)	Petroleum products and related products, biofuels, oils, technical fluids	A, D
41[1]	Determination of water content by coulometry - Karl Fischer method	SOP 51, method B (ČSN EN 15489)	Ethanol, E-85	A, D
42[1]	Determination of water content by coulometry - Karl Fischer method	SOP 51, method C (ASTM D6304, procedure B)	Petroleum products and related products, oils	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
43[1]	Determination of water content by coulometry - Karl Fischer method	SOP 127 (ČSN EN ISO 10101-3)	CNG	A, D
44[1]	Determination of conductivity of fuels by conductometry	SOP 130 (ČSN EN 15938)	Ethanol, E-85	A, D
45[1]	Determination of refractive index by refractometric method and calculation of urea content from measured values	SOP 129 (ČSN 65 0341; ČSN ISO 22241-2, Annex C)	Technical fluids, aqueous solution of urea (AUS 32)	A, D
46[2]	Determination of dyeing agent RED 19 content by UV/VIS method	SOP 100 (PetroSpec manual)	Petroleum products and related products	A, B, D
47[2]	Determination of biuret content by UV/VIS method	SOP 150 (ČSN ISO 22241-2, Annex E)	Aqueous solution of urea (AUS 32)	A, D
48[2]	Determination of aldehyde content by UV/VIS method	SOP 151 (ČSN ISO 22241-2, Annex F)	Aqueous solution of urea (AUS 32)	A, D
49[1]	Determination of aromatic and polyaromatic hydrocarbon content by HPLC/RID method	SOP 105 (ČSN EN 12916)	Petroleum products and related products, biofuels	A, B, D
50[1]	Determination of fatty acid methyl esters by infrared spectrometry	SOP 91 (ČSN EN 14078)	Petroleum products and related products, oils	A, B, D
51[1]	Determination of physico-chemical parameters of fuels by statistical comparison of IR spectra and measured values	SOP 140 (SGS Methodological Manual for the Creation and Maintenance of Statistical Data Evaluation Models)	Petrol and diesel fuels	A, B, D
52[1]	Determination of hydrocarbon composition of LPG by GC/FID method and calculation of octane number, vapour pressure, density, net calorific value and emission factor from the measured values	SOP 99 (ČSN EN 589; ČSN EN 27941; ČSN EN ISO 8973; DIN 51619; ČSN EN ISO 6976)	LPG	A, B, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
53[1]	Determination of gas composition by GC/TCD-FID method and calculation of gross calorific value, net calorific value, Wobbe index, molecular weight, relative density, density and emission coefficient from the measured values	SOP 122 (ČSN EN ISO 6974-4; ČSN EN ISO 6976)	CNG	A, B, D
54[1]	Determination of oxygenate compounds and total oxygen content by GC/FID method	SOP 102, method A (ČSN EN 13132)	Petrol, E-85	A, B, D
55[1]	Determination of oxygenate compounds and total oxygen content by GC/FID method	SOP 102, method B (ČSN EN 16761-1)	E-85	A, B, D
56[1]	Determination of benzene content by GC/FID method	SOP 108 (ČSN EN 12177)	Gasoline	A, D
57[1]	Determination of the content of ethanol and its impurities by GC/FID method	SOP 109 (ČSN EN 15721)	Ethanol, E-85	A, B, D
58[1]	Determination of hydrocarbon groups, oxygenates and total oxygen content by multidimensional GC/FID method	SOP 132, method A (ČSN EN ISO 22854, procedure A)	Gasoline	A, B, D
59[1]	Determination of hydrocarbon groups, oxygenates and total oxygen content by multidimensional GC/FID method	SOP 132, method B (ČSN EN ISO 22854, procedure B)	E-85	A, B, D
60[1]	Determination of fatty acid methyl esters by GC/FID method and calculation of iodine value from the measured values	SOP 112 (ČSN EN 14103; ČSN EN 16300)	Biofuels	A, B, D
61[1]	Determination of methanol content by GC/FID method	SOP 116 (ČSN EN 14110)	Biofuels	A, D
62[1]	Determination of mono-, di-, tri-glycerides, glycerol and presence of triglycerides by GC/FID method and calculation of total glycerol from the measured values	SOP 117 (ČSN EN 14105)	Biofuels	A, B, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
63[1]	Determination of PUFA content by GC/FID method	SOP 121 (ČSN EN 15779+A1)	Biofuels	A, B, D
64[1]	Determination of boiling range distribution by gas chromatography and calculation of cetane index from the measured values	SOP 162 (ČSN EN ISO 3924; ASTM D2887; IP 406); SOP 35 (ČSN EN ISO 4264)	Fuels for diesel engines	A, D
65[1]	Determination of sulphur content by UV fluorescence method	SOP 101, method A (ČSN EN ISO 20846)	Petroleum, petroleum products and related products, biofuels	A, D
66[1]	Determination of sulphur content by UV fluorescence method	SOP 101, method B (ČSN EN 15486)	Ethanol and E-85 fuel	A, D
67[1]	Determination of sulphur content by UV fluorescence method	SOP 101, method C (ČSN EN 17178)	LPG	A, D
68[1]	Determination of sulphur content by UV fluorescence method	SOP 101, method D (ASTM D6667; ČSN ISO 20729)	LPG, CNG	A, D
69[1]	Determination of sulphur content by X-ray fluorescence	SOP 30 (ČSN EN ISO 8754)	Petroleum, petroleum products and related products, oils	A, D
70[1]	Determination of the content of lead by FAAS method	SOP 10, method A (ČSN EN 237, Annex A)	Automotive and aviation petrol	A, D
71[1]	Determination of the content of potassium by FAAS method	SOP 10, method B (IP 456)	Gasoline	A, D
72[1]	Determination of the content of manganese by FAAS method	SOP 10, method C (ČSN EN 16135)	Gasoline	A, D
73[1]	Determination of elements by ICP-OES method	SOP 134 (ASTM D5185)	Oils	A, B, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
74[1]	Determination of elements by ICP-OES method	SOP 135 (ASTM D7111; ČSN EN 16476; ČSN EN 16136; ČSN EN 16576; ČSN EN 14538; ČSN EN 14107; ČSN EN 15837)	Petroleum, petroleum products and related products, biofuels	A, B, D
75[1]	Determination of elements by ICP-OES method	SOP 136, (ČSN ISO 22241-2, Annex I)	Aqueous solution of urea (AUS 32)	A, B, D
76[2]	Determination of the oxidation stability of middle distillates	SOP 111 (ČSN EN ISO 12205)	Petroleum products and related products	A, B, D
77[2]	Determination of oxidation stability by accelerated oxidation method	SOP 113, method A (ČSN EN 15751)	Petroleum products and related products, biofuels	A, B, D
78[2]	Determination of oxidation stability by accelerated oxidation method	SOP 113, method B (ČSN EN 14112)	Biofuels	A, B, D
79[2]	Determination of oxidation stability of gasoline – induction period method	SOP 114 (ČSN EN ISO 7536)	Petroleum products and related products, E-85	A, B, D
80[1]	Determination of oxidation stability by rapid small scale oxidation method (RSSOT)	SOP 149 (ČSN EN 16091; ASTM D7545)	Petroleum products and related products, biofuels	A, B, D
81[1,2]	Determination of appearance - visually	SOP 57, method A (ASTM D4176)	Petroleum products and related products, biofuels, E-85	A, B, D
82[1,2]	Determination of appearance - visually	SOP 57, method B (ČSN EN 15769)	Ethanol, E-85	A, B, D
83[2]	Determination of particle quantity and cleanliness code by particle counter	SOP 123 (ČSN ISO 4406; ISO 11500; ASTM D7619; IP 630)	Petroleum products and related products, oils, hydraulic fluids	A, B, D
84[1]	Determination of corrosive effect of petroleum products on metals visually	SOP 49 (ČSN EN ISO 2160, chap. 8.3)	Petroleum products and related products, biofuels	A, B, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
85[1]	Determination of corrosive effect of LPG on copper - visually	SOP 95 (ČSN EN ISO 6251)	LPG	A, D
86[1]	Sensory determination of LPG odour	SOP 138 (ČSN EN 589, Annex A)	LPG	D
87[1]	Detection of hydrogen sulphide in liquefied gas by lead acetate method	SOP 107 (ČSN EN ISO 8819)	LPG	A, D
88[2]	Determination of cetane number on engine	SOP 104 (ČSN EN ISO 5165; ASTM D613)	Diesel engine fuels	A, D
89[2]	Determination of octane number on engine by motor method	SOP 110, method A (ČSN EN ISO 5163; ASTM D2700)	Fuels for spark ignition engines	A, D
90[2]	Determination of octane number on engine by research method	SOP 110, method B (ČSN EN ISO 5164; ASTM D2699)	Fuels for spark ignition engines	A, D
91[2]	Determination of lubricity by HFRR	SOP 148 (ČSN EN ISO 12156-1; ASTM D6079)	Diesel engine fuels	A, D
92[2]	Determination of burning behaviour (burning rate)	SOP A01, excl. method F (ČSN ISO 3795; DIN 75200; FMVSS 302; GS 97038; TL 1010)	Interior materials and parts of motor vehicles	A, D
93[2]	Determination of odour characteristics by sensory analysis	SOP A02 (PV 3900; VDA 270)	Interior materials and parts of motor vehicles	A, D
94[2]	Determination of fogging characteristics by gravimetry	SOP A04 (DIN 75201, method B; ISO 6452; GMW 3235, method B; PV 3015; SAE S1756; VW 50181)	Interior materials and parts of motor vehicles	A, D
95[2]	Determination of formaldehyde emissions by UV-VIS method	SOP A06, part B, D (PV 3925, method B; VDA 275)	Interior materials and parts of motor vehicles	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
96[2]	Determination of formaldehyde emissions by HPLC method	SOP A06, part A (PV 3925, method A)	Interior materials and parts of motor vehicles	A, D
97[2]	Determination of formaldehyde, aldehyde and ketone emissions by HPLC method	SOP A06, part C (GMW 15635)	Interior materials and parts of motor vehicles	A, B, D

[1] asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises; the numerical index at the test ordinal number identifies the location carrying out the test (the identification of the locations is given on the first page of this document)

[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 valid edition of the specified procedure is used (including any changes)

[3] degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test.

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
49	mono-, di- and tri+ aromatic hydrocarbons, polycyclic aromatic hydrocarbons (sum of di- and tri+ aromatic hydrocarbons calculated from measured values) and total aromatic hydrocarbons calculated from measured values
51	for petrol: benzene, aromatics, olefins, evaporated volume at 70 °C, 100 °C, 150 °C, end of distillation, ethanol, ethers (C5 and higher), oxygen by calculation, octane number by research and engine methods, sulphur, density at 15 °C for diesel fuels: cetane number, cetane index, pre-distilled volume at 250 and 350 °C, temperature at 95 % of pre-distilled volume, density at 15 °C, fatty acid methyl ester content, polyaromatics, sulphur, K.F. water content, closed cup flash point
52	methane, ethane, ethene, propane, propene, isobutane, n-butane, butenes, 1,3-butadiene, 1,2-butadiene, isopentane, *n*-pentane, pentenes and higher unsaturated hydrocarbons
53	methane, ethane, propane, n-butane, isobutane, n-pentane, isopentane, hexanes
54	methanol, ethanol, isopropanol, isobutanol, *terc*-butanol, ethers (C5 and higher), other oxygenates, oxygen by calculation from measured values
55	methanol, ethanol, higher alcohols (C3 to C5) and sum of ethanol with higher alcohols (C3 to C5) by calculation from measured values
57	ethanol, methanol, acetaldehyde, 1-propanol, 2-propanol, ethyl acetate, isobutanol, 1-butanol, 3-pentanol, 1,1-diethoxyethane, 3-methylbutanol, 2-methylbutanol and higher alcohols (C3 to C5)

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Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
58	aromatics, olefins, benzene, methanol, ethanol, isopropanol, isobutanol, *terc*-butanol, ethers (C5 and higher), ethyl tert-butyl ether, other oxygenates, oxygen by calculation from measured values
59	methanol, ethanol, higher alcohols (C3 to C5) and sum of ethanol with higher alcohols (C3 to C5) by calculation from measured values
60	linolenic acid methyl esters and total fatty acid methyl esters (C6:C24)
73	Ag, Al, B, Ba, Ca, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, S, Si, Sn, Ti, V, Zn
74	Ag, Al, B, Ba, Ca, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, S, Si, Sn, Ti, V, Zn
75	Al, Ca, Cr, Cu, Fe, K, Mg, Na, Ni, P, Zn a $(PO_4)^{3-}$ by calculation from P
97	formaldehyde, benzaldehyde, acetone

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification[1]	Subject of sampling
1[1]	Liquid fuel sampling	SOP 97 (ČSN EN ISO 3170; ČSN EN 14275; ČSN EN ISO 5555)	Liquid fuels, liquid petroleum products, oils
2[1]	Gaseous and liquefied fuel sampling at gas stations	SOP 98 (ČSN 65 6501; ČSN 01 5113; ČSN EN ISO 10715)	Gaseous and liquefied fuels
3[1]	Sampling of aqueous solutions of urea	SOP 143 (ČSN ISO 22241-2, Annex A)	Aqueous solution of urea (AUS 32)
4[1]	Ground water sampling – manual sampling, sampling using a pump	SOP 155 (ČSN ISO 5667-11)	Ground water
5[1]	Surface water sampling – manual sampling	SOP 156 (ČSN ISO 5667-4; ČSN EN ISO 5667-6)	Surface water
6[1]	Waste water sampling – manual sampling	SOP 157 (ČSN ISO 5667-10)	Waste water
7[1]	Sampling of solid alternative fuels	SOP 158 (ČSN EN 14899; ČSN EN ISO 18135; ČSN EN ISO 21645)	Solid alternative fuels

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Ordinal number	Sampling procedure name	Sampling procedure identification[1]	Subject of sampling
8[1]	Sampling of solid fossil fuels	SOP 159 (ČSN 44 1304; ČSN ISO 18283)	Solid fossil fuels

[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 valid edition of the specified procedure is used (including any changes)

[2] the numerical index at the test ordinal number identifies the location carrying out the test (the identification of the locations is given on the first page of this document)

Explanations and abbreviations:

API	– American Petroleum Institute
ASTM	– US Technical Standard
CNG	– Compressed natural gas
FAAS	– Flame Atomic Absorption Spectrometry
FMVSS	– US automotive safety standard
GC-FID	– Gas Chromatography with Flame Ionization Detection
GC/TCD-FID	– Gas Chromatography with Thermal Conductivity and Flame Ionization Detection
GMW	– General Motors group standard
GS	– BMW group standard
HFRR	– High Frequency Reciprocating Rig
HPLC	– High-Performance Liquid Chromatography
HPLC/RID	– High-Performance Liquid Chromatography with Refractometric Detector
ICP-OES	– Inductively Coupled Plasma Optical Emission Spectrometry
IR	– Infrared Spectrometry
IP	– US Fuel Standard
LPG	– Liquefied Petroleum Gas
PUFA	– Polyunsaturated Fatty Acids
PV	– VW group standard
RSSOT	– Determination of oxidation stability by rapid small scale oxidation method
SAE	– Society of Automotive Engineers standard
SOP	– Standard Operating Procedure
TL	– VW group standard
UV/VIS	– Ultraviolet Visible Spectroscopy
VDA	– German Association of the Automotive Industry standard
VW	– VW group standard