The Appendix is an integral part of
Certificate of Accreditation No: 600/2023 of 14/11/2023

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

SYNPO, akciová společnost
CAB number 1105, Department of Analytical and Physical Chemistry
S. K. Neumanna 1316, 532 07 Pardubice - Zelené Předměstí

The laboratory provides opinions and interprets test results.
Detailed information on the activities within the scope of accreditation (determined analytes, source literature) is given in the section "Specification of the scope of accreditation".

Tests:

Ordinal number[1]	Test procedure/method name	Test procedure/method identification[2]	Subject of the test	Degrees of freedom[3]
1	Determination of molecular weight distribution of polymers by gel permeation chromatography	APP1 (ISO 13885-1)	Polymers and synthetic resins	-
2	Determination of density, immersion method	ČSN EN ISO 1183-1, part A	Non-cellular plastics in void-free form	-
3	Determination of non-volatile-matter content by gravimetry	ČSN EN ISO 3251	Paints and varnishes, binders for paints and varnishes, polymer dispersions and resins, resols, novolak solutions	-
4	Identification of organic substances by gas chromatography with mass detection	APP4	Polymers, synthetic resins and materials on their basis, monomers and solvents, process water	-
5	Determination of organic substances by gas chromatography with mass detector	APP5	Polymers, synthetic resins and materials on their basis, monomers and solvents, process water	-
6	Identification of polymers and polymer related substances by infrared spectroscopy	APP6	Polymers, synthetic resins, polymer containing substances, pigments, plasticizers, fillers, binders, UV – stabilizers, emulsifiers, solvents, softeners, monomers, flame retardants, fluorescence agents, antioxidants, antistatic agent, accelerating agent	-

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Ordinal number[1]	Test procedure/method name	Test procedure/method identification[2]	Subject of the test	Degrees of freedom[3]
7	Determination of volatile organic compounds (VOC) content, differential method	ČSN EN ISO 11890-1	Paints and varnishes	-
8	Determination of water acc. to Karl Fischer by titrimetric method	ČSN ISO 760; ASTM E 203	Liquid organic and inorganic products	-
9	Determination of density by pycnometry	ČSN EN ISO 787-10; ČSN EN ISO 3451-1; ČSN EN ISO 1675; ČSN EN ISO 2811-1	Pigments, fillers, non-cellular plastics, paints and varnishes, liquid resins	-
10	Determination of ash content by gravimetry	ČSN EN ISO 1172; ČSN EN ISO 3451-1; ČSN EN ISO 3451-4; ČSN EN ISO 3451-5	Reinforced prepregs, moulding compounds and laminates, plastics	-

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

[3] the laboratory does not apply a flexible approach to the scope of accreditation.

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
5	**Alcohols**: methanol, ethanol **Ketones**: acetone, methyl ethyl ketone **Glycols**: ethylene glycol, glycerine **Hydrocarbons**: benzene, toluene, styrene, methylstyrene **Acetic acid esters**: ethyl acetate, butyl acetate **Acrylic and methacrylic acid esters**: methylacrylate, ethylacrylate, butylacrylate, 2-ethylhexylacrylate, methymethacrylate, butylmethacrylate
7	Calculation from measured values according to procedures ord. no. 3, 8 and 9

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Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (source literature)
4	MCLAFFERTY, F.W. INTERPRETATION OF MASS SPECTRA INTRUDICTION. 2. New York: W.A.Benjamin, 1967; VŘEŠŤÁL, Jan (ed.). Mass spectrometry. Brno: Masaryk University, 1998. ISBN 80-210-1835-6; UBIK, Karel. Physico-chemical methods (Mass spectrometry). Prague: Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, 2000. ISBN 80-86241-05-x; MLEZIVA ET AL., Josef. Polyesters, their production and processing. 2. 1978: SNTL, 1978
5	ČSN EN ISO 11890-2; ČSN EN 15721; EPA Method 311; ČÁSLAVSKÝ, Josef and ŠEVČÍK, Jiří Georg Kamil. Organic analysis. Český Těšín: 2 Theta, 2022. ISBN 978-80-88279-17-4
6	Bellamy, L. J.: „The IR spectra of Complex Molecules“, Methuen London, 1958; Bellamy, L. J.: „Advances in Infrared Group Frequencies“, Methuen London, 1968; Hummel-Schol: Atlas der Kunststoff-Analyse, München, 1968; KÖNIG, Jack L. Spectroscopy of Polymers. 2nd Ed. Amsterdam: Elsevier, 1999; VANDERBERG, J.T., D.G. ANDERSON, J.K. DUFFER, J.M. JULIAN, R.W. SCOTT, T.M. SUTLIFF a M.J. An INFRARED SPECTROSCOPY for the COATINGS INDUSTRY. Des Plaines, Illinois 60018: Federation of Societies foe Coatings Technology, 1980. ISBN 0-934010-00-5

Explanatory notes:

APP:	Operating Procedure
PDA:	UV Diode Array Detector
Process water:	Water produced in a technological process