



EA MLA Signatory  
Český institut pro akreditaci, o.p.s.  
Hájkova 2747/22, Žižkov, 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. 97/2025

**SYNPO, akciová společnost**  
with registered office S. K. Neumanna 1316, 532 07 Pardubice - Zelené Předměstí,  
Company Registration No. 46504711

for the Testing Laboratory No. 1105  
Department of Analytical and Physical Chemistry

Scope of accreditation:

Analytical and physico-chemical testing of products on the basis of synthetic polymers, organic and inorganic compounds related to the production, processing and use of polymers 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

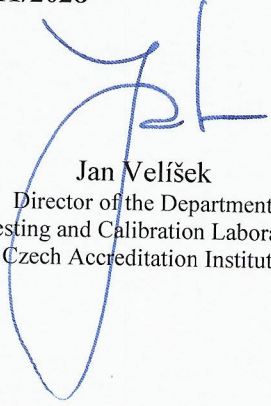
In its activities performed within the scope and for the period of validity of this Certificate, the Conformity Assessment Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance 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.: 600/2023 of 14/11/2023, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **14/11/2028**

Prague: 03/03/2025



  
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: 97/2025 of 03/03/2025**

**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 interpretations of the 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 <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested subject	Degrees of freedom <sup>3</sup>
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	Reserved			
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	-
7	Determination of volatile organic compounds (VOC) content, differential method	ČSN EN ISO 11890-1	Paints and varnishes	-



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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested subject	Degrees of freedom <sup>3</sup>
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 preregs, moulding compounds and laminates, plastics	-

<sup>1</sup> asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises

<sup>2</sup> 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)

<sup>3</sup> 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)
7	Calculation from measured values according to procedures ord. no. 3, 8 and 9

**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 INTRUDITION. 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



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Ordinal test number	Detailed information on activities within the scope of accreditation (source literature)
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 for 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

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*"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself. "*

