



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. 351/2021

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

to the Testing Laboratory No. 1105
Analytical and Physical Chemistry Department

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 Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the 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.: 180/2020 of 23. 3. 2020, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **15. 11. 2023**

Prague: 25. 6. 2021



Pavel Nosek
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute
Public Service Company

**The Appendix is an integral part of
Certificate of Accreditation No. 351/2021 of 25/06/2021**

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

SYNPO, akciová společnost
Analytical and Physical Chemistry Department
S. K. Neumanna 1316, 532 07 Pardubice, Zelené Předměstí

The laboratory requires/has a flexible scope of accreditation permitted as detailed in the Annex.

Updated list of activities provided within the flexible scope of accreditation is available from the Quality Manager.

The Laboratory provides expert opinions and interprets test results.

Tests:

Ordinal number 1	Test procedure/method name	Test procedure/method identification 2	Test object
1	Determination of molecular weight distribution of polymers by gel permeation chromatography	APP 1 (ISO 13885 - 1)	Polymers and synthetic resins
2	Analysis of polymers and synthetic resins by liquid chromatography with PDA detector	APP 2 (ČSN EN ISO 11401)	Polymers and synthetic resins
3	Determination of organic substances ³ by liquid chromatography with PDA detector	APP 3	Monomers, polymers, process water
4	Identification of organic substances by gas chromatography with mass detector	APP 4	Polymers, synthetic resins and materials on their basis, monomers and solvents, process water
5	Determination of organic substances ⁴ by gas chromatography with mass detection	APP 5	Polymers, synthetic resins and materials on their basis, monomers and solvents, process water
6	Identification of polymers and polymer related substances by infrared spectroscopy	APP 6	Polymers, synthetic resins, polymer containing substances, pigments, plasticizers, fillers, binders, UV-stabilizers, emulsifiers, solvents, softeners, monomers, flame retardants, fluorescence agents, antioxidants, antistatic agent, accelerating agents
7	Paints and varnishes – Determination of volatile organic compounds (VOC) content, difference method	ČSN EN ISO 11890 - 1	Paints and varnishes
8	Determination of water – Karl Fischer method, titrimetric method	ČSN ISO 760, ASTM E 203	Liquid organic and inorganic chemical products
9	Determination of density, pycnometer method	ČSN EN ISO 787 10, ČSN EN ISO 1183- , part B, ČSN EN ISO 1675, ČSN EN ISO 2811-1	Pigments; fillers; non-cellular plastics; paints and varnishes; liquid resins



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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Test object
10	Determination of ash, gravimetry	ČSN EN ISO 1172 ČSN EN ISO 3451-1, ČSN EN ISO 3451-4, ČSN EN ISO 3451-5	Reinforcing prepregs, moulding compounds and laminates, plastics
11	Determination of non-volatile content, gravimetry	ČSN EN ISO 3251	Paints and varnishes, binders for paints and varnishes, polymer dispersions and resins, resols, solutions of novolaks
12	Determination of density, immersion method	ČSN EN ISO 1183-1:2019, part A	Non-cellular 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 edition of the specified procedure is used (including any changes).

³ the range of determined parameters for test procedures is specified at the end of this Appendix

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
1-7

The Laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed. The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

Abbreviations, explanations

APP	Internal designation of the test procedure under accreditation
PDA	Photodiode array detector
Process water	Water from technological process



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List of determined substances

Ordinal
number

List of determined substances

- 3 phenol, bisphenol A, bisphenol F, bisphenol S, similar phenolic substances, acrylate and methacrylate monomers, toluidines, cresols
- 5 **ethers:** tetrahydrofuran, dianbisglycidylether, epichlorohydrin
glycolethers: ethyleneglycolmonoethylether, ethyleneglycolmonobutylether, propyleneglycolmonomethylether, propyleneglycolmonobutylether, propyleneglycolmonophenylether, dipropyleneglycolmonomethylether
glycoletheracetates: propyleneglycolmonomethyletheracetate
alcohols: methanol, ethanol, isobutanol, n-butanol, diacetonealcohol, benzylalcohol
ketones: acetone, methylethylketone, methylisobutylketone, N-methylpyrrolidone
glycols: ethyleneglycol, 1,2- propyleneglycol, diethyleneglycol, glycerine
hydrocarbons: benzene, toluene, ethylbenzene, 1,2-, 1,3- and 1,4-dimethylbenzene, styrene, methylstyrene, benzines (= mixtures of aliphatic and aromatic hydrocarbons), isomers of dichlorobenzene
acetic acid esters: methylacetate, ethylacetate, butylacetate, 2-ethylhexylacetate
acrylic and methacrylic acid esters: methylacrylate, ethylacrylate, butylacrylate, 2-ethylhexylacrylate, methylmethacrylate, butylmethacrylate, glycidylmethacrylate,
phthalic acid esters: dimethylphthalate, dibutylphthalate, dioctylphthalate

