



OFFICE OF TECHNICAL INSPECTION

# LABORATORY APPROVAL CERTIFICATE

No. **LBU-324/12-24**

**Office of Technical Inspection**  
certifies that:

**POLIMER LABORATORY Sp. z o.o.**

ul. Ujastek 5b, 31-752 Kraków

having fulfilled the requirements of the  
Technical Conditions of the Office of Technical Inspection,  
WUDT-LAB issue 3/2022

Laboratory Approvals – Competency Assessment of Testing Laboratories, has  
obtained the approval of the Office of Technical Inspection  
to conduct laboratory testing

A detailed list of testing methods covered by this approval  
is specified in an Appendix to this certificate

Date of approval: **27 May 2024**

Approval valid until: **26 May 2026**

President

of the Office of Technical Inspection

Digitally signed  
by Karol Formowicz  
Date: 2024.05.27 11:19:07

on behalf of Karol Formowicz

Warsaw, 27 May 2024



# Appendix to the LABORATORY APPROVAL CERTIFICATE

No. LBU-324/12-24

of 27 May 2024

## List of the approved testing methods

**POLIMER LABORATORY Sp. z o.o.**

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Item	Testing method	Tested properties	Reference document
1.	Visual inspection	Shape imperfections and surface discontinuities of welded joints	PN-EN ISO 17637:2017-02 PN-EN 13018:2016-04
2.	Penetrant testing	Surface discontinuities of: - welded joints, - moulds, - steel forgings, - seamless and welded steel tubes, open to the test surface	PN-EN ISO 3452-1:2021-12 PN-EN 1371-1:2012 PN EN 10228-2:2016-07 PN-EN ISO 10893-4:2011
3.	Magnetic particle testing	Surface and subsurface discontinuities of: - welded joints, - moulds, - steel forgings, - seamless and welded steel tubes	PN-EN ISO 9934-1:2017-02 PN EN ISO 17638:2017-01 PN-EN 1369:2013-04 PN EN 10228-1:2016-07 PN-EN ISO 10893-5:2011
4.	Ultrasonic testing	Discontinuities of: - welded joints with a thickness from 8 mm, - welded joints with a thickness of 2 mm to 8 mm, - flat steel products with a thickness from 6 mm, - steel bars, - moulds, - forgings,  - seamless and welded steel tubes, excluding automated techniques.  Thickness measurements from 1.2 mm to 500 mm	PN-EN ISO 16810:2014-06 PN-EN ISO 17640:2019-01 IBUS-TD 07 Manual, version 07/16 PN-EN 10160:2001  PN-EN 10160:2001 PN-EN 10308:2004 PN-EN 12680-1:2005 PN-EN 10228-3:2016-07 PN-EN 10228-4:2016-07 PN-EN ISO 10893-8:2011 Attachment A PN-EN ISO 10893-8: 2011/A1: 2020-12 PN-EN ISO 10893-10:2011 Attachment B PN-EN ISO 10893-10: 2011/A1: 2021-01 PN-EN ISO 16809:2019-08
5.	Radiographic testing	Discontinuities of: - welded joints with a thickness up to 100 mm, - moulds with a thickness up to 100 mm	PN-EN ISO 5579:2014-02 PN-EN ISO 17636-1:2013-06 PN-EN ISO 10893-6:2019-04 PN-EN 12681-1:2018-01
6.	Metal hardness testing	UCI hardness testing at HV10 level	Research Methodology No. NL/PB-1.7, issue 5 of 21 December 2023.
7.	Length and angle measurements	Specifying the real values of length "L" [mm] in measurements of ovalisation, ovalness, edge and axis distances	Research Methodology No. NL/PB-1.9, issue 4 of 21 December 2023.

Item	Testing method	Tested properties	Reference document
8.	Tightness testing	Assessing the tightness of test objects by indicating and locating a leak using bubble leak testing	PN-EN 1779:2002 PN EN 1779:2002/A1:2006 PN-EN 1593:2004
9.	Chemical testing. X-ray spectroscopy	Elemental composition. Minimum detectable content of elements: Magnesium Mg [0.2 – 0.8%] Aluminium Al [0.075 – 0.83%] Silicon Si [0.014 – 0.12%] Phosphorus P [0.007 – 0.05%] Sulphur S [0.005 – 0.1%] Titanium Ti [0.02 – 0.09%] Vanadium V [0.008 – 0.05%] Chromium Cr [0.004 – 0.035%] Manganese Mn [0.003 – 0.04%] Iron Fe [0.001 – 0.025%] Cobalt Co [0.0035 – 0.12%] Nickel Ni [0.0015 – 0.04%] Copper Cu [0.0015 – 0.04%] Zinc Zn [0.0015 – 0.07%] Tungsten W [0.005 – 0.035%] Lead Pb [0.0005 – 0.045%] Bismuth Bi [0.0005 – 0.035%] Zirconium Zr [0.0005 – 0.012%] Niobium Nb [0.001 – 0.01%] Molybdenum Mo [0.001 – 0.01%] Tin Sn [0.002 – 0.025%] Antimony Sb [0.001 – 0.0275%]	Research Methodology No. NL/PB-1.8, issue 5 of 20 November 2023.

### Supervision over a laboratory approval certificate

1. The range of approved testing methods can be amended at the laboratory's request and requires laboratory assessment by the UDT.
2. The validity of a UDT approval certificate may be extended at the laboratory's request, which should be submitted no later than 4 months before the certificate's expiry, subject to a re-assessment by the UDT.
3. If the validity of an approval certificate is not extended, the laboratory is removed from the list of approved laboratories.
4. Should the laboratory fail to observe the conditions specified in this certificate or perform tests in an inappropriate manner, having a negative impact on the safe operation of technical devices, the President of the UDT may suspend this laboratory approval certificate. Information on suspending a approval certificate shall be published in the register of approved laboratories.
5. On suspending a laboratory approval certificate, the President of the UDT shall set the date to resolve the deficiencies forming the basis for suspension, after which, if the deficiencies have not been resolved, he/she shall revoke the laboratory approval certificate.
6. The UDT may conduct unannounced inspections on the laboratory's premises or at the location where laboratory testing is performed. During such inspections, the UDT may conduct, or commission tests aimed at verifying the tests carried out by the approved laboratory.
7. The inspections specified in point 6 shall not apply to laboratories which conduct activities under a quality system compliant with the Polish Standards, approved and supervised by the President of the UDT.
8. The UDT reserves the right to participate in and directly supervise the research that provides results for the UDT's consideration for issuing a decision on device operation.