



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. 185 / 2016

ENVIFORM a.s.
with registered office **Závodní 814, 739 61 Třinec, Staré Město, Company Registration
No. 25839047**

to the Testing Laboratory No. 1609
Testing Center

Scope of accreditation:

Mechanical, metallographic and technological testing of metallurgical materials and engineering product 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 17025:2005

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.: 603/2015 of 20 August 2015, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **30 March 2021**

Prague: 30 March 2016



Jiří Růžička
Director
Czech Accreditation Institute
Public Service Company



Accredited entity according to ČSN EN ISO/IEC 17025:2005:

ENVIFORM a.s.

Testing Center

Průmyslová 1045, 739 61 Třinec – Staré Město

Testing laboratory locations:

1. Central Mechanical Testing Laboratory (CZm) Průmyslová 1045, 739 61 Třinec – Staré Město
2. Rolling Plant Mechanical Testing Laboratory (CZv) Průmyslová 711, 739 61 Třinec – Kanská
3. Drawing Plant Mechanical Testing Laboratory (CZt) Tovární 1688, 686 02 Staré Město
4. Tube Rolling Mill Mechanical Testing Laboratory (CZo) Výstavní 1132, 706 02 Ostrava – Vítkovice
5. Mechanical Testing Laboratory Bohumín (CZb) Jeremenkova 66, 735 51 Bohumín – Pudlov

The Laboratory is qualified to update standards identifying the test procedures.

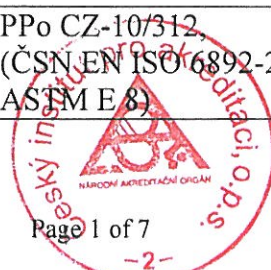
The laboratory has a flexible scope of accreditation permitted as detailed in the Annex.

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

1. Central Mechanical Testing Laboratory (CZm)

Tests:

Ordinal number	Test procedure/ method name	Test procedure/ method identification	Tested object
	Mechanical tests		
101	Tensile test at ambient temperature	PPo CZ-10/305, (ČSN EN ISO 6892-1, ČSN EN ISO 4136, ČSN 42 0330, ASTM A 370, ASTM E 8)	Metals
102	Impact bend test	PPo CZ-10/306 PPo CZ-10/329, (ČSN ISO 148-1, ČSN 42 0385, DIN 50 115, ASTM E 23)	Metals
103	Upsetting test	PPo CZ-10/307 (ČSN 42 0426, ČSN EN 10263-1)	Metals
104	Brinell hardness test	PPo CZ-10/308, (ČSN EN ISO 6506-1, ASTM E 10)	Metals
105	Vickers hardness test	PPo CZ-10/309, (ČSN EN ISO 6507-1)	Metals
106	Rockwell hardness test	PPo CZ-10/310, (ČSN EN ISO 6508-1)	Metals
107	Reserved		
108	Tensile test at temperatures higher than room temperature	PPo CZ-10/312, (ČSN EN ISO 6892-2, ASTM E 8)	Metals



The Appendix is an integral part of
Certificate of Accreditation No. 185/2016 of 30/03/2016

Accredited entity according to ČSN EN ISO/IEC 17025:2005:

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Ordinal number	Test procedure/ method name	Test procedure/ method identification	Tested object
109	Hardenability test	PPo CZ-10/313, (ČSN EN ISO 642, ASTM A 255-02 e1)	Metals

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
101, 102, 103, 104, 105, 106, 108, 109

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.



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2. Rolling Plant Mechanical Testing Laboratory (CZv)

Tests:

Ordinal number	Test procedure/ method name	Test procedure/ method identification	Tested object
	Mechanical tests		
101	Tensile test at ambient temperature	PPo CZ-10/305, (ČSN EN ISO 6892-1)	Metals
102	Reserved		
103	Upsetting test	PPo CZ-10/307 (ČSN 42 0426, ČSN EN 10263-1)	Metals
104	Brinell hardness test	PPo CZ-10/308, (ČSN EN ISO 6506-1)	Metals
105-119	Reserved		
	Metallographic tests		
202	Determination of microstructure	PPo CZ-10/316 (SEP 1520)	Metals
203	Determination of defects	PPo CZ-10/314 (ČSN EN ISO 16120-1, ČSN 42 0015)	Metals
204-205	Reserved		
206	Determination of depth of decarburization	PPo CZ-10/321 (ČSN EN ISO 16120-1, ČSN EN ISO 16120-2, ČSN EN ISO 16120-4, ČSN EN ISO 3887)	Metals

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
101, 103, 104, 202, 203, 206

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.



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3. Drawing Plant Mechanical Testing Laboratory (CZt)

Tests:

Ordinal number	Test procedure/ method name	Test procedure/ method identification	Tested object
	Mechanical tests		
101	Tensile test at ambient temperature	PPo CZ-10/305, (ČSN EN ISO 6892-1)	Metals
102-103	Reserved		
104	Brinell hardness test	PPo CZ-10/308, (ČSN EN ISO 6506-1)	Metals
105	Reserved		
106	Rockwell hardness test	PPo CZ-10/310 (ČSN EN ISO 6508-1)	Metals

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
101, 104

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.



Accredited entity according to ČSN EN ISO/IEC 17025:2005:

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4. Tube Rolling Mill Mechanical Testing Laboratory (CZo)

Tests:

Ordinal number	Test procedure/ method name	Test procedure/ method identification	Tested object
	Mechanical tests		
101	Tensile test at ambient temperature	PPo CZ-10/305, (ČSN EN ISO 6892-1, ASTM E 8)	Metals
102	Impact bend test	PPo CZ-10/306, (ČSN ISO 148-1, DIN 50 115, ASTM E 23)	Metals
103	Reserved		
104	Brinell hardness test	PPo CZ-10/308, (ČSN EN ISO 6506-1, ASTM E 10, TS 07/2012)	Metals
105	Reserved		
106	Rockwell hardness test	PPo CZ-10/310, (ČSN EN ISO 6508-1)	Metals
107-109	Reserved		
110	Flattening test	PPo CZ-10/317, (ČSN EN ISO 8492; ASTM A 530)	Steel tubes
111	Drift-expanding test	PPo CZ-10/318, (ČSN EN ISO 8493)	Steel tubes
112	Ring-expanding test	PPo CZ-10/319, (ČSN EN ISO 8495)	Steel tubes
113	Ring tensile test	PPo CZ-10/320, (ČSN EN ISO 8496)	Steel tubes

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
101, 102, 104, 106, 110, 111, 112, 113

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.



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5. Mechanical Testing Laboratory Bohumín (CZb)

Tests:

Ordinal number	Test procedure/ method name	Test procedure/ method identification	Tested object
Mechanical tests			
101	Tensile test at ambient temperature	PPo CZ-10/305 (ČSN EN ISO 6892-1, ČSN 42 0330, ASTM E 8) PPo CZ-10/335 (ČSN EN 12385-1+A1, ČSN EN ISO 2307) PPo CZ-10/337 (Continental 1.5 – S 10 method)	Wires, steel cords, wire ropes, steel ropes, textile ropes
102	Reserved		
103	Upsetting test	PPo CZ-10/334 (KN 6109, ČSN 42 0426)	Wires
104-106	Reserved		
107	Reverse bend test	PPo CZ-10/332 (ČSN ISO 7801)	Wires
108-113	Reserved		
114	Simple torsion test	PPo CZ-10/333 (ČSN ISO 7800)	Wires
115	Measurement of nominal weight and cross-section of wires	PPo CZ-10/330 (Continental 1.5 – S 04 method, ASTM D2969-04(2010))	Wires, steel cords, wire ropes
116	Measurement of twist length and lay direction	PPo CZ-10/331 (Continental 1.5 – S 07 method, ASTM D2969-04(2010))	Wires, steel cords, wire ropes
117	Measurement of wave height by profile projector	PPo CZ-10/338	Broom wire
118	Measurement of the diameter (dimensions) of wires and ropes	PPo CZ-10/336, (ČSN EN 12385-1+A1)	Wires, steel ropes
119	Determination of uniformity and integrity of Zn coatings	PPo CZ-10/412, (ČSN EN 10244-2, ČSN EN 50189)	Wires



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Annex:

Flexible scope of accreditation

Ordinal numbers of tests
101, 103, 107, 114, 115, 116, 117, 118, 119

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.

Explanations:

- PPo CZ-XX/XXX - Working procedure based on valid standards and regulations of the Testing Center
- EN - European standard
- ASTM - US Standard (American Society for Testing and Materials)
- ČSN - Czech Technical Standard
- ISO - International Organization for Standardization
- DIN - Deutsche Industrie-Norm (German Standard)
- SEP - Stahleisenprüfblatt (Test specification for iron and steel)

