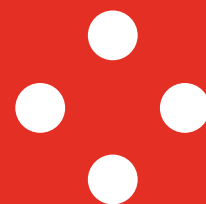


IZVLEČKI V ANGLEŠČINI



Objave SIST • *Announcements SIST*

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Izvečki iz novih slovenskih nacionalnih standardov v angleškem jeziku

SIST/TC AGR Agregati

SIST EN 1097-7:2023

SIST EN 1097-7:2008

2023-02 (po) (en;fr;de) 14 str. (D)

Preskusi mehanskih in fizikalnih lastnosti agregatov - 7. del: Določevanje prostorninske mase zrn kamene moke - Postopek s piknometrom

Tests for mechanical and physical properties of aggregates - Part 7: Determination of the particle density of filler - Pycnometer method

Osnova: EN 1097-7:2022

ICS: 91.100.15

This document specifies the reference method used for type testing and in cases of dispute for the determination of the particle density of filler by means of a pycnometer. For other purposes, in particular factory production control, other methods can be used provided that an appropriate working relationship with the reference method has been established.

NOTE Methods for determination of particle density of aggregates are specified in EN 1097 6.

Annexes are included that specify the procedures for calibration of the pycnometer (Annex A) and determination of the density of the liquid used to determine the particle density of the filler (Annex B). Annex C (informative) contains precision data.

WARNING - The use of this part of EN 1097 can involve hazardous materials, operations and equipment (such as liquids, dust, noise and heavy lifts). It does not purport to address all of the safety or environmental problems associated with its use. It is the responsibility of users of this document to take appropriate measures to ensure the safety and health of personnel and the environment prior to application of the standard, and fulfil statutory and regulatory requirements for this purpose.

SIST EN 933-5:2023

SIST EN 933-5:1999

SIST EN 933-5:1999/A1:2005

2023-02 (po) (en;fr;de) 20 str. (E)

Preskusi geometričnih lastnosti agregatov - 5. del: Določevanje odstotka lomljenih površin zrn grobega in mešanega agregata

Tests for geometrical properties of aggregates - Part 5: Determination of percentage of crushed particles in coarse and all-in natural aggregates

Osnova: EN 933-5:2022

ICS: 91.100.15

This document specifies the reference method, used for type testing and in case of dispute, for the determination of the percentages of crushed particles, totally crushed particles and totally rounded particles in a sample of natural coarse aggregate or all-in aggregate. Other methods can be used for other purposes, such as factory production control, provided that an appropriate working relationship with the reference method has been established.

NOTE 1 Examples of advanced test methods can be found in the Bibliography.

This document applies to gravel or to a mixture of natural coarse aggregates containing gravel. The test method specified is applicable to particle sizes between 4 mm and 63 mm.

NOTE 2 For coarse aggregate between 4 mm and 20 mm, the percentages of crushed surfaces are linked to the flow coefficient and can therefore be used in association with the test method specified in EN 933-6.

Subclause 7.1 specifies the procedure for test portions consisting of one particle size fraction and Subclause 7.2 specifies the procedure for test portions consisting of two or more particle size fractions. Guidance for estimated mass of the test portion is given in informative Annex A.

Examples of application of the test procedure and an example of a test data sheet are given in informative Annexes B and C.

SIST/TC AKU Akustika

SIST EN ISO 20270:2023

2023-02 (po) (en;fr;de) **48 str. (I)**

Akustika - Opreelitev virov zvoka in vibracij, ki jih prenaša konstrukcija - Posredno merjenje blokiranih sil (ISO 20270:2019)

Acoustics - Characterization of sources of structure-borne sound and vibration - Indirect measurement of blocked forces (ISO 20270:2019)

Osnova: EN ISO 20270:2022

ICS: 17.140.20

This document specifies a method where a vibrating component (a source of structure-borne sound or vibration) is attached to a passive structure (or receiver) and is the cause of vibration in, or structure-borne sound radiation from, the assembly. Examples are pumps installed in ships, servo motors in vehicles or machines and plant in buildings. Almost any vibrating component can be considered as a source in this context.

Due to the need to measure vibration at all contact degrees of freedom (DOFs) (connections between the source and receiver), this document can only be applied to assemblies for which such measurement is possible.

This document is applicable only to assemblies whose frequency response functions (FRFs) are linear and time invariant.

The source can be installed into a real assembly or attached to a specially designed test stand (as described in 5.2).

The standard method has been validated for stationary signals such that the results can be presented in the frequency domain. However, the method is not restricted to stationary signals: with appropriate data processing, it is also applicable to time-varying signals such as transients and shocks (provided linearity and time invariance of the FRFs are preserved).

This document provides a method for measurement and presentation of blocked forces, together with guidelines for minimizing uncertainty. It provides a method evaluating the quality of the results through an on-board validation procedure but does not comment on the acceptability or otherwise of the results.

SIST/TC AVM Avdio, video in večpredstavitveni sistemi ter njihova oprema

SIST EN IEC 63033-3:2023

SIST EN IEC 63033-3:2020

2023-02 (po) (en;fr;de) **20 str. (E)**

Multimedijski sistemi in oprema za vozila - Sistem prostorskega pogleda - 3. del: Merilne metode (IEC 63033-3:2022)

Multimedia systems and equipment for vehicles - Surround view system - Part 3: Measurement methods (IEC 63033-3:2022)

Osnova: EN IEC 63033-3:2022

ICS: 33.160.60, 43.040.15

This document specifies measurement methods for the surround view system that is specified in IEC 63033-1.

SIST/TC CEV Cestna osebna in gospodarska električna vozila

SIST EN IEC 61980-3:2023

SIST-TS CLC IEC/TS 61980-3:2020

2023-02

(po)

(en)

121 str. (O)

Brezžični sistemi za prenos električne energije za električna vozila (WPT) - 3. del: Posebne zahteve za sistem brezžičnega prenosa energije z magnetnim poljem (IEC 61980-3:2022)

Electric vehicle wireless power transfer (WPT) systems - Part 3: Specific requirements for the magnetic field wireless power transfer systems (IEC 61980-3:2022)

Osnova: EN IEC 61980-3:2022

ICS: 43.120

This part of IEC 61980 applies to the off-board supply equipment for wireless power transfer via magnetic field (MF-WPT) to electric road vehicles for purposes of supplying electric energy to the RESS (rechargeable energy storage system) and/or other on-board electrical systems. The MF-WPT system operates at standard supply voltage ratings per IEC 60038 up to 1 000 V AC and up to 1 500 V DC from the supply network. The power transfer takes place while the electric vehicle (EV) is stationary.

Off-board supply equipment fulfilling the requirements in this document are intended to operate with EV devices fulfilling the requirements described in ISO 19363.

The aspects covered in this document include

- the characteristics and operating conditions,
- the required level of electrical safety,
- requirements for basic communication for safety and process matters if required by a MF111 WPT system,
- requirements for positioning to assure efficient and safe MF-WPT power transfer, and
- specific EMC requirements for MF-WPT systems.

The following aspects are under consideration for future documents:

- requirements for MF-WPT systems for two- and three-wheel vehicles,
- requirements for MF-WPT systems supplying power to EVs in motion, and
- requirements for bidirectional power transfer.
- requirements for flush mounted primary devices
- requirements for MF-WPT systems for heavy duty vehicles
- requirements for MF-WPT systems with inputs greater than 11,1 kVA

This standard does not apply to

- safety aspects related to maintenance, and
- trolley buses, rail vehicles and vehicles designed primarily for use off-road.

NOTE The terms used in this document are specifically for MF-WPT.

SIST/TC EPR Električni pribor

SIST EN IEC 62196-6:2023

2023-02

(po)

(en;fr;de)

30 str. (G)

Vtiči, vtičnice, konektorji in uvodnice na vozilih - Kabelsko napajanje električnih vozil - 6. del: Zahteve za dimenzijsko skladnost za enosmerne (d.c.) stikalne in kontaktne cevke, namenjene za uporabo v opremi za napajanje električnih vozil z enosmernim tokom, kjer varnost zagotavlja električno ločevanje (IEC 62196-6:2022)

Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 6: Dimensional compatibility requirements for DC pin and contact-tube vehicle couplers intended to be used for DC EV supply equipment where protection relies on electrical separation (IEC 62196-6:2022)

Osnova: EN IEC 62196-6:2022

ICS: 43.120, 29.120.30

IEC 62196-6:2022 is applicable to vehicle connectors, vehicle inlets and cable assemblies for electric vehicle (EV), intended for use in conductive charging systems which incorporate control means, with a rated operating voltage up to 120 V DC and rated current up to 100 A.

These accessories are intended to be used for a DC interface of the conductive charging system according to IEC 61851-25:2020.

SIST/TC EVA Električne varovalke

SIST HD 60269-2:2013/A1:2023

2023-02 (po) (en;fr;de) 10 str. (C)

Nizkonapetostne varovalke - 2. del: Dodatne zahteve za varovalke, ki jih uporabljajo strokovne osebe (uporaba varovalk zlasti v industriji) - Primeri tipov standardiziranih varovalk od A do K - Dopolnilo A1 (IEC 60269-2:2013/A1:2016)

Low-voltage fuses - Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) - Examples of standardized systems of fuses A to K (IEC 60269-2:2013/A1:2016)

Osnova: HD 60269-2:2013/A1:2022

ICS: 29.120.50

Amandma A1:2023 je dodatek k standardu SIST HD 60269-2:2013.

Fuses for use by authorized persons are generally designed to be used in installations where the fuse-links are accessible to, and may be replaced by, authorized persons only. Fuses for use by authorized persons according to the following fuse systems also comply with the requirements of the corresponding subclauses of IEC 60269-1, unless otherwise defined in this standard. This standard is divided into fuse systems, each dealing with a specific example of standardized fuses for use by authorized persons: Fuse system A: Fuses with fuse-links with blade contacts (NH fuse system) Fuse system B: Fuses with striker fuse-links with blade contacts (NH fuse system) Fuse system C: Fuse-rails (NH fuse system) Fuse system D: Fuse-bases for busbar mounting (NH fuse system) Fuse system E: Fuses with fuse-links for bolted connections (BS bolted fuse system) Fuse system F: Fuses with fuse-links having cylindrical contact caps (NF cylindrical fuse system) Fuse system G: Fuses with fuse-links with offset blade contacts (BS clip-in fuse system) Fuse system H: Fuses with fuse-links having "gD" and "gN" characteristic (class J and class L time delay and non time delay fuse types) Fuse system I: gU fuse-links with wedge tightening contacts Fuse system J: Fuses with fuse-links having "gD class CC" and "gN class CC" characteristics (class CC time delay and non-time delay fuse types) Fuse system K: gK fuse-links with blade for bolted connections - High fuse-link ratings from 1250 A up to 4800 A (master fuse-links).

SIST/TC EXP Električni aparati za eksplozivne atmosfere

SIST EN IEC 60079-25:2022/AC:2023

2023-02 (po) (en;fr;de) 4 str. (AC)

Eksplozivne atmosfere - 25. del: Lastnovarni električni sistemi - Popravek AC (IEC 60079-25:2020/COR2:2022)

Explosive atmospheres - Part 25: Intrinsically safe electrical systems (IEC 60079-25:2020/COR2:2022)

Osnova: EN IEC 60079-25:2022/AC:2022-12

ICS: 29.260.20

Popravek k standardu SIST EN IEC 60079-25:2022.

This part of IEC 60079 contains the specific requirements for design, construction and assessment of intrinsically safe systems, Type of Protection "i", intended for use, as a whole or in part, in locations in which the use of Group I, II or III Ex Equipment is required.

NOTE 1 This standard is intended for use by the designer of the system e.g. a person who could be a manufacturer, a specialist consultant or a member of the end-user's staff.

This document supplements and modifies the general requirements of IEC 60079-0 and the intrinsic safety standard IEC 60079-11. Where a requirement of this standard conflicts with a requirement of IEC 60079-0 or IEC 60079-11, the requirement of this standard takes precedence.

The installation requirements of Group II or Group III systems designed in accordance with this standard are specified in IEC 60079-14.

NOTE 2 Group I installation requirements are presently not provided in IEC 60079-14. Installation requirements for Group I are being considered.

SIST/TC IBLP Barve, laki in premazi

SIST EN 13300:2023

SIST EN 13300:2002
SIST EN 13300:2002/AC:2002

2023-02 (po) (en;fr;de) **10 str. (C)**

Barve in laki - Barve in laki za notranje zidove in stropove - Klasifikacija

Paints and varnishes - Paints and varnishes for interior walls and ceilings - Classification

Osnova: EN 13300:2022

ICS: 87.040

This European Standard specifies a general system for the classification of water-borne coating materials and coating systems for the decoration and protection of interior walls and ceilings comprised of new and old, coated and uncoated surfaces.

SIST EN ISO 11127-6:2023

SIST EN ISO 11127-6:2012

2023-02 (po) (en;fr;de) **11 str. (C)**

Priprava jeklenih podlag pred nanašanjem barv in sorodnih premazov - Preskusne metode za nekovinske granulate za peskanje - 6. del: Določevanje nečistoč, topnih v vodi, z merjenjem prevodnosti (ISO 11127-6:2022)

Preparation of steel substrates before application of paints and related products - Test methods for non-metallic blast-cleaning abrasives - Part 6: Determination of water-soluble contaminants by conductivity measurement (ISO 11127-6:2022)

Osnova: EN ISO 11127-6:2022

ICS: 25.220.10

This document specifies a method for the determination of water-soluble contaminants in non-metallic blast-cleaning abrasives by conductivity measurement.

This is one of a number of parts in the ISO 11127 series dealing with the sampling and testing of non-metallic abrasives for blast-cleaning.

The types of non-metallic abrasive and requirements on each are contained in the ISO 11126 series.

The ISO 11126 series and the ISO 11127 series have been drafted as a coherent set of International Standards on non-metallic blast-cleaning abrasives.

SIST EN ISO 11127-7:2023

SIST EN ISO 11127-7:2012

2023-02 (po) (en;fr;de) **14 str. (D)**

Priprava jeklenih podlag pred nanašanjem barv in sorodnih premazov - Preskusne metode za nekovinske granulate za peskanje - 7. del: Določevanje klorida, topnega v vodi (ISO 11127-7:2022)

Preparation of steel substrates before application of paints and related products - Test methods for non-metallic blast-cleaning abrasives - Part 7: Determination of water-soluble chlorides (ISO 11127-7:2022)

Osnova: EN ISO 11127-7:2022

ICS: 25.220.10

This document specifies three methods for the determination of water-soluble chlorides in non-metallic blast-cleaning abrasives, namely, amperometric titration, spectro-photometry and ion chromatography. This document is part of the ISO 11127 series dealing with the sampling and testing of non-metallic abrasives for blast-cleaning.

The types of non-metallic abrasive and requirements on each are contained in the ISO 11126 series. The ISO 11126 series and the ISO 11127 series have been drafted as a coherent set of International Standards on non-metallic blast-cleaning abrasives.

SIST EN ISO 1522:2023

SIST EN ISO 1522:2007

2023-02 (po) (en;fr;de) **18 str. (E)**

Barve in laki - Preskus trdote z dušenjem nihanja (ISO 1522:2022)

Paints and varnishes - Pendulum damping test (ISO 1522:2022)

Osnova: EN ISO 1522:2022

ICS: 87.040

This document specifies two methods of carrying out a pendulum damping test on a coating of paint, varnish or other related products. It is applicable to single coatings and to multicoat systems.

SIST EN ISO 4628-5:2023

SIST EN ISO 4628-5:2016

2023-02 (po) (en;fr;de) 13 str. (D)

Barve in laki - Ovrednotenje propadanja premazov - Ugotavljanje obsega in velikosti poškodb ter intenzitete enakomernih sprememb videza - 5. del: Ocenjevanje stopnje luščenja (ISO 4628-5:2022)
Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 5: Assessment of degree of flaking (ISO 4628-5:2022)

Osnova: EN ISO 4628-5:2022

ICS: 87.040

This document specifies a method for assessing the degree of flaking of coatings by comparison with pictorial standards.

ISO 4628-1 specifies the system used for designating the quantity and size of defects and the intensity of changes in appearance of coatings. It also outlines the general principles of the system. This system is intended to be used, in particular, for defects caused by ageing and weathering, and for uniform changes such as colour changes, for example yellowing.

SIST EN ISO 7784-3:2023

SIST EN ISO 7784-3:2016

2023-02 (po) (en;fr;de) 17 str. (E)

Barve in laki - Ugotavljanje odpornosti proti obrabi - 3. del: Metoda s kolesom, prekritim z brusilnim papirjem, in linearno izmenjajočim se preskusnim vzorcem (ISO 7784-3:2022)
Paints and varnishes - Determination of resistance to abrasion - Part 3: Method with abrasive-paper covered wheel and linearly reciprocating test specimen (ISO 7784-3:2022)

Osnova: EN ISO 7784-3:2022

ICS: 87.040

This document specifies a method for determining the resistance to abrasion of coatings, for which a loaded, rigid abrasive-paper covered wheel affects the coating of the linearly reciprocating test specimen.

SIST-TP CEN ISO/TR 11594:2023**2023-02 (po) (en) 32 str. (G)**

Dobra praksa za izdelavo/vrednotenje analize prstnih odtisov v skladu s skupino standardov ISO 28199 (ISO/TR 11594:2022)
Best practices for the creation/evaluation of fingerprint analysis in accordance with the ISO 28199 series (ISO/TR 11594:2022)

Osnova: CEN ISO/TR 11594:2022

ICS: 87.040

This document gives technical descriptions of X-Y measuring tables together with sample applications, sample evaluations and practical recommendations for visual and metrological evaluation as a supplement to the ISO 28199 series. This document intends to provide further information on this subject to interested parties.

SIST-TP CEN ISO/TR 5602:2023**2023-02 (po) (en) 61 str. (K)**

Viri napak pri uporabi elektrokemijske impedančne spektroskopije pri preiskavah premazov in drugih materialov (ISO/TR 5602:2021)
Sources of error in the use of electrochemical impedance spectroscopy for the investigation of coatings and other materials (ISO/TR 5602:2021)

Osnova: CEN ISO/TR 5602:2022

ICS: 87.040

This document describes the main sources of error in the use of electrochemical impedance spectroscopy for the investigation of coatings and other materials. The sources of error listed here include all process steps from the set-up of the sample with the measuring cell right through to evaluation.

SIST/TC IEHT Elektrotehnika - Hidravlične turbine

SIST EN IEC 61400-50-1:2023

2023-02 (po) (en) 82 str. (M)

Sistemi za proizvodnjo energije na veter - 50-1. del: Meritve vetra - Uporaba meteoroloških instrumentov, pritrjenih na steber, v gondolo in na obod vetrnic (IEC 61400-50-1:2022)

Wind energy generation systems - Part 50-1: Wind measurement - Application of meteorological mast, nacelle and spinner mounted instruments (IEC 61400-50-1:2022)

Osnova: EN IEC 61400-50-1:2022

ICS: 27.180

IEC 61400-50-1:2022 specifies methods and requirements for the application of instruments to measure wind speed (and related parameters, e.g. wind direction, turbulence intensity). Such measurements are required as an input to some of the evaluation and testing procedures for wind energy and wind turbine technology (e.g. resource evaluation and turbine performance testing) described by other standards in the IEC 61400 series. This document is applicable specifically to the use of wind measurement instruments mounted on meteorological masts, turbine nacelles or turbine spinners which measure the wind at the location at which the instruments are mounted. This document excludes remote sensing devices which measure the wind at some location distant from the location at which the instrument is mounted (e.g. vertical profile or forward facing lidars).

SIST/TC IEKA Električni kabli

SIST EN 50576:2023

SIST-TS CLC/TS 50576:2017

2023-02 (po) (en) 28 str. (G)

Električni kabli - Razširjena uporaba rezultatov preskusov odziva na ogenj

Electric cables - Extended application of test results for reaction to fire

Osnova: EN 50576:2022

ICS: 29.060.20, 13.220.40

This EN gives the procedure and rules for extended application of results of tests carried out according to the test methods described in EN 50399, EN 60332 1 2 and EN 61034 2.

The EXAP rules described apply to EN 50399 test results used for classification in classes B2ca, Cca and Dca, additional smoke production classes s1, s2 and s3 and flaming droplets/particles, to EN 60332 1 2 test results used for classification in classes B2ca, Cca, Dca and Eca and to EN 61034 2 test results used for classification in classes s1a and s1b.

No EXAP procedure and rules have been developed in respect of the results of tests carried out according to the test method described in EN 60754-2. As the parameters (pH and conductivity) for each cable in a family are determined based upon calculation using material test results, this is considered as a matter of direct application. Material test results taken from any one sample of finished cable from a family are sufficient to calculate the parameters for each cable in the family.

Cables of diameter 5,0 mm and less should be tested as bundles according to EN 50399. Bundled cables are not included in the EXAP rules applying to EN 50399 test results.

The rules apply to circular and non-circular cables provided that they fall within the scope of the relevant test method.

A specific EXAP rule has been developed for the most common generic power cable families, optical fibre cables and copper communication cables (CCC). A general EXAP rule has been developed for any power cable families. The general EXAP rule is not applicable to communication or optical fibre cables.

NOTE 1 Multicore power cables are sometimes referred to as control cables with a rated voltage but for the purposes of this standard are considered as power cables. For multipair, multitriples

and multiquad control cables either the general EXAP rule for power cables or the specific EXAP rule for copper communication cables can be applied.

The general EXAP rule may be applied in the case of hybrid cables provided that the conditions of 6.1 are fulfilled.

The use of the specific EXAP rule gives benefit in the lower number of cables to be tested for a range of cable constructions (product family).

An EXAP is only possible when cables belong to a defined family as defined in this standard.

SIST/TC IEMO Električna oprema v medicinski praksi

SIST EN 60601-1:2007/AC:2023

2023-02 (po) (fr) 5 str. (AC)

Medicinska električna oprema - 1. del: Splošne zahteve za osnovno varnost in bistvene lastnosti - Popravek AC (IEC 60601-1:2005/COR3:2022)

Medical electrical equipment - Part 1: General requirements for basic safety and essential performance (IEC 60601-1:2005/COR3:2022)

Osnova: EN 60601-1:2006/AC:2022-12

ICS: 11.040.01

Popravek k standardu SIST EN 60601-1:2007.

This International Standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of MEDICAL ELECTRICAL EQUIPMENT and MEDICAL ELECTRICAL SYSTEMS, hereafter referred to as ME EQUIPMENT and ME SYSTEMS. If a clause or subclause is specifically intended to be applicable to ME EQUIPMENT only, or to ME SYSTEMS only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to ME EQUIPMENT and to ME SYSTEMS, as relevant. HAZARDS inherent in the intended physiological function of ME EQUIPMENT or ME SYSTEMS within the scope of this standard are not covered by specific requirements in this standard except in 7.2.13 and 8.4.1. This standard can also be applied to equipment used for compensation or alleviation of disease, injury or disability. In vitro diagnostic equipment that does not fall within the definition of ME EQUIPMENT is covered by the IEC 61010 series 2). This standard does not apply to the implantable parts of active implantable medical devices covered by ISO 14708-1. This EN 60601-1:2006 has been significantly restructured compared to EN 60601-1:1990. Requirements in the electrical section have been further aligned with those for information technology equipment covered by EN 60950-1 and a requirement for including a RISK MANAGEMENT PROCESS has been added. For an expanded description of this revision, see Clause A.3.

SIST/TC IESV Električne svetilke

SIST EN IEC 62386-101:2023

SIST EN 62386-101:2015

SIST EN 62386-101:2015/A1:2018

2023-02 (po) (en) 67 str. (K)

Digitalni naslovljivi vmesnik za razsvetljavo - 101. del: Splošne zahteve - Sistemske komponente (IEC 62386-101:2022)

Digital addressable lighting interface - Part 101: General requirements - System components (IEC 62386-101:2022)

Osnova: EN IEC 62386-101:2022

ICS: 35.200, 29.140.50

This part of IEC 62386 is applicable to system components in a bus system for control by digital signals of electronic lighting equipment.

The control methods, algorithms and data exchange methods of application controllers used for lighting control are not within the scope of the IEC 62386 series. EMC requirements are not within the scope of the IEC 62386 series.

SIST EN IEC 62386-102:2023

SIST EN 62386-102:2015
SIST EN 62386-102:2015/A1:2019

2023-02 (po) (en) **82 str. (M)**

Digitalni naslovljivi vmesnik za razsvetljavo - 102. del: Splošne zahteve - Krmilje (IEC 62386-102:2022)
Digital addressable lighting interface - Part 102: General requirements - Control gear (IEC 62386-102:2022)

Osnova: EN IEC 62386-102:2022
ICS: 35.200, 29.140.50

This part of IEC 62386 is applicable to control gear for control by digital signals of electronic lighting equipment.

SIST EN IEC 62386-103:2023

SIST EN 62386-103:2015
SIST EN 62386-103:2015/A1:2019

2023-02 (po) (en) **73 str. (L)**

Digitalni naslovljivi vmesnik za razsvetljavo - 103. del: Splošne zahteve - Krmilne naprave (IEC 62386-103:2022)
Digital addressable lighting interface - Part 103: General requirements - Control devices (IEC 62386-103:2022)

Osnova: EN IEC 62386-103:2022
ICS: 35.200, 29.140.50

This part of IEC 62386 is applicable to control devices for control by digital signals of electronic lighting equipment.

SIST/TC IFEK Železne kovine

SIST EN 10025-6:2019+A1:2023

SIST EN 10025-6:2019
SIST EN 10025-6:2019/oprA1:2022

2023-02 (po) (en;fr;de) **28 str. (G)**

Vroče valjani izdelki iz konstrukcijskih jekel - 6. del: Tehnični dobavni pogoji za ploščate izdelke iz konstrukcijskih jekel z visoko mejo plastičnosti v poboljšanem stanju jekla (vključno z dopolnilom A1)
Hot rolled products of structural steels - Part 6: Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition

Osnova: EN 10025-6:2019+A1:2022
ICS: 77.140.50, 77.140.10

This document specifies technical delivery conditions for flat products of high yield strength alloy special steels. The grades and qualities are given in Tables 1 to 3 (chemical composition) and Tables 4 to 6 (mechanical properties) and are supplied in the quenched and tempered condition.

The steels specified in this document are applicable to hot-rolled flat products with a minimum nominal thickness of 3 mm and a maximum nominal thickness of 200 mm for grades S460, S500, S550, S620 and S690, a maximum nominal thickness of 125 mm for grades S890 and S960, in steels which, after quenching and tempering, have a specified minimum yield strength of 460 MPa to 960 MPa.

SIST/TC IIZS Izolacijski materiali in sistemi

SIST EN IEC 60216-5:2023

SIST EN 60216-5:2008

2023-02 (po) (en) **32 str. (G)**

Električni izolacijski materiali - Lastnosti toplotne vzdržljivosti - 5. del: Ugotavljanje indeksa relativne toplotne vzdržljivosti (RTI) izolacijskega materiala (IEC 60216-5:2022)
Electrical insulating materials - Thermal endurance properties - Part 5: Determination of relative temperature index (RTI) of an insulating material (IEC 60216-5:2022)

Osnova: EN IEC 60216-5:2022
ICS: 29.035.01

This part of IEC 60216 specifies the experimental and calculation procedures to be used for deriving the relative temperature index of a material from experimental data obtained in accordance with the instructions of IEC 60216-1 and IEC 60216-2. The calculation procedures are supplementary to those of IEC 60216-3. Guidance is also given for assessment of thermal ageing after a single fixed time and temperature, without extrapolation. The experimental data can in principle be obtained using destructive, non-destructive or proof tests, although destructive tests have been much more extensively employed. Data obtained from non-destructive or proof tests can be "censored", in that measurement of times taken to reach the endpoint have been terminated at some point after the median time but before all specimens have reached end-point (see IEC 60216-1). Guidance is given for preliminary assignment of a thermal class for an electrical insulating material (EIM), based upon the thermal ageing performance. While the thermal classification of an EIM is not directly related to the thermal classification of an electrical insulation system (EIS), the thermal classification of an EIS follows the same concepts as presented in this part of the 60216 series. The calculation procedures of this standard apply to the determination of the thermal class of an EIS when the thermal stress is the prevailing ageing factor.

SIST/TC IKER Keramika

SIST EN 14437:2023

SIST EN 14437:2005

2023-02 (po) (en;fr;de) 34 str. (H)

Ugotavljanje dvizne odpornosti vgrajenih opečnih ali betonskih strešnikov - Preskusna metoda
Determination of the uplift resistance of installed clay or concrete tiles for roofing - Roof system test method

Osnova: EN 14437:2022

ICS: 91.100.30, 91.100.25, 91.060.20

This document specifies a test method to establish the uplift resistance of installed clay or concrete tiles for roofing, complying with the relevant product standard, EN 490 or EN 1304, which are unfixed or mechanically fixed to the substructure.

NOTE The test method has been developed for clay or concrete tiles for roofing, but can apply to other discontinuously laid small elements, such as: slates; fibre cement slates; stones; and, adopted accordingly, to photovoltaic and solar thermal panels.

The test method is applicable to mechanical fixings such as clips, hooks, screws and nails.

The method is not applicable to fixed tiles having fixing patterns with less than every third tile fixed.

The test method is not applicable to under and over tiles. Examples of these tiles are given in Annex G.

SIST/TC IPKZ Protikorozijska zaščita kovin

SIST EN ISO 10062:2023

SIST EN ISO 10062:2008

2023-02 (po) (en;fr;de) 19 str. (E)

Korozijski preskusi v umetni atmosferi pri zelo majhnih koncentracijah škodljivih plinov (ISO 10062:2022)

Corrosion tests in artificial atmosphere at very low concentrations of polluting gas(es) (ISO 10062:2022)

Osnova: EN ISO 10062:2022

ICS: 77.060

ISO 10062:2006 specifies tests which are intended to determine the influence of one or more flowing polluting gas(es) at volume fractions less than or equal to 0,000001 on test samples and/or articles of metals and alloys with or without corrosion protection under determined conditions of temperature and relative humidity.

These tests apply to metals and their alloys, metallic coatings (anodic and cathodic), metals with conversion coatings, metals with anodic oxide coatings, and metals with organic coatings.

SIST/TC IPMA Polimerni materiali in izdelki

SIST EN ISO 306:2023

SIST EN ISO 306:2014

2023-02 (po) (en;fr;de) 23 str. (F)

Polimerni materiali - Plastomeri - Ugotavljanje temperature zmečičišča po Vicatu (VST) (ISO 306:2022)
Plastics - Thermoplastic materials - Determination of Vicat softening temperature (VST) (ISO 306:2022)

Osnova: EN ISO 306:2022

ICS: 83.080.20

This document specifies four methods for the determination of the Vicat softening temperature (VST) of thermoplastic materials:

- Method A50 using a force of 10 N and a heating rate of 50 °C/h;
- Method B50 using a force of 50 N and a heating rate of 50 °C/h;
- Method A120 using a force of 10 N and a heating rate of 120 °C/h;
- Method B120 using a force of 50 N and a heating rate of 120 °C/h.

The methods specified are applicable only to thermoplastics, for which they give a measure of the temperature at which the thermoplastics start to soften rapidly.

SIST/TC IŽNP Železniške naprave

SIST EN 15085-3:2023

SIST EN 15085-3:2008

SIST EN 15085-3:2008/AC:2010

2023-02 (po) (en;fr;de) 56 str. (J)

Železniške naprave - Varjenje železniških vozil in elementov - 3. del: Zahteve za projektiranje
Railway applications - Welding of railway vehicles and components - Part 3: Design requirements

Osnova: EN 15085-3:2022

ICS: 45.060.01, 25.160.10

This document applies to welding of metallic materials in the manufacture and maintenance of railway vehicles and their components.

This document specifies applicable design and classification rules.

This document does not define parameters for the dimensioning.

NOTE Requirements on structures can be found in other standards like EN 12663.

SIST/TC KAT Karakterizacija tal, odpadkov in blata

SIST-TS CEN/TS 17701-1:2023

2023-02 (po) (en;fr;de) 10 str. (C)

Rastlinski biostimulanti - Določevanje specifičnih elementov - 1. del: Razklop z zlatotopko za določevanje elementov

Plant biostimulants - Determination of specific elements - Part 1: Digestion by aqua regia for subsequent determination of elements

Osnova: CEN/TS 17701-1:2022

ICS: 65.080

This document specifies the procedure for the digestion of different plant biostimulants with aqua regia to enable a subsequent determination of arsenic (As), cadmium (Cd), copper (Cu), chromium (Cr), mercury (Hg), nickel (Ni), lead (Pb) and zinc (Zn). The procedure can be also applied for determination of other elements. The procedure is applicable for all solid and/or liquid plant biostimulants.

This document is also applicable to the blends of fertilizing products where plant biostimulants are the main part of the blend. Otherwise, the Technical Specification for the main part of the blend applies.

The extracts are suitable for analysis using CEN/TS 17701-2 (ICP-AES) and CEN/TS 17701-3 (Hg analysis).

NOTE Alternatively, inductively coupled plasma mass spectrometry (ICP-MS) can be used for the measurement if the user proves that the method gives the same results.

SIST-TS CEN/TS 17701-2:2023

2023-02 (po) (en;fr;de) 13 str. (D)

Rastlinski biostimulanti - Določevanje specifičnih elementov - 2. del: Določevanje celotnega Cd, Pb, Ni, As, Cr, Cu in Zn

Plant biostimulants - Determination of specific elements - Part 2: Determination of total content of Cd, Pb, Ni, As, Cr, Cu and Zn

Osnova: CEN/TS 17701-2:2022

ICS: 65.080

This document specifies a method for the determination of arsenic (As), cadmium (Cd), copper (Cu), chromium (Cr), lead (Pb), nickel (Ni) and zinc (Zn) in plant biostimulant digests using inductively coupled plasma-atomic emission spectrometry (ICP-AES).

This document is also applicable to the blends of fertilizing products where plant biostimulants are the main part of the blend. Otherwise, the Technical Specification for the main part of the blend applies.

This method is applicable to aqua regia digests prepared according to CEN/TS 17701-1. The method can be used for the determination of other elements, provided the user has verified the applicability.

SIST-TS CEN/TS 17701-3:2023

2023-02 (po) (en;fr;de) 13 str. (D)

Rastlinski biostimulanti - Določevanje specifičnih elementov - 3. del: Določevanje živega srebra

Plant biostimulants - Determination of specific elements - Part 3: Determination of mercury

Osnova: CEN/TS 17701-3:2022

ICS: 65.080

This document specifies a method for determination of the content of mercury (Hg) in plant biostimulants using (cold) vapour generation apparatus coupled to an atomic absorption spectrophotometer and a method using a direct amalgamation technique. It is applicable to aqua regia digests prepared according to CEN/TS 17701-1.

NOTE It is also possible to use other suitable methods for the determination of mercury described in Annex A if users prove that the method gives the same results as the methods described in this document.

This document is also applicable to the blends of fertilizing products where plant biostimulants are the main part of the blend. Otherwise, the Technical Specification for the main part of the blend applies.

SIST-TS CEN/TS 17702-1:2023

2023-02 (po) (en;fr;de) 32 str. (G)

Rastlinski biostimulanti - Vzorčenje in priprava vzorcev - 1. del: Vzorčenje

Plant biostimulants - Sampling and sample preparation - Part 1: Sampling

Osnova: CEN/TS 17702-1:2022

ICS: 65.080

This document specifies sampling plans and methods of representative sampling of plant biostimulants to obtain samples for physical, chemical and biological analysis.

It is applicable to the sampling of lots of plant biostimulants supplied or ready for supply to third parties, as such, or in smaller lots.

It is also applicable to the sampling of blends of fertilizing products where plant biostimulants are main part of the blend. Otherwise, deliverables of sampling relevant for the main part of the blend apply.

This document is intended to be used by manufacturers, buyers and competent authorities to obtain samples prior to transport and supply it to a laboratory for testing.

NOTE This document is applicable to the category of EU fertilizing product (plant biostimulants) in the meaning of the Regulation (EU) 2019/1009.

SIST-TS CEN/TS 17702-2:2023

2023-02 (po) (en;fr;de) 12 str. (C)

Rastlinski biostimulanti - Vzorčenje in priprava vzorcev - 2. del: Priprava vzorcev

Plant biostimulants - Sampling and sample preparation - Part 2: Sample preparation

Osnova: CEN/TS 17702-2:2022

ICS: 65.080

This document specifies methods for the reduction and preparation of samples of non-microbial plant biostimulants including those intended for determination of microbial pathogens and sets out the requirements for sample preparation reports. It specifies methods for the preparation of test samples and test portions from laboratory samples of plant biostimulants for subsequent chemical, biological or physical analysis.

It is also applicable to the sample preparation of blends of fertilizing products where plant biostimulants are main part of the blend. Otherwise, deliverables of sample preparation relevant for the main part of the blend apply.

This document does not include methods for the reduction and preparation of samples of microbial plant biostimulants, which will be covered by a different Technical Specification.

NOTE This document is applicable to the category of EU fertilizing product (plant biostimulants) in the meaning of the Regulation (EU) 2019/1009.

SIST-TS CEN/TS 17703:2023

2023-02 (po) (en;fr;de) 16 str. (D)

Rastlinski biostimulanti - Določevanje kroma Cr(VI)

Plant biostimulants - Determination of chromium(VI)

Osnova: CEN/TS 17703:2022

ICS: 65.080

This document was developed to provide a method for verifying that hexavalent chromium (CrVI) is not present in plant biostimulants in a concentration that exceeds the respective limits outlined in the EU Regulation on Fertilising Products [1].

This document is applicable to all types of plant biostimulants (solid and liquid) used in agriculture.

The method described is suitable to quantify the chromium(VI) content in plant biostimulants down to 2 mg/kg.

The results obtained from this method are strictly dependent on the extraction conditions. Results obtained by using other extraction procedures (extraction solution, pH, extraction time, etc.) are not comparable with the results produced by the procedure described in this document.

SIST-TS CEN/TS 17704:2023

2023-02 (po) (en;fr;de) 9 str. (C)

Rastlinski biostimulanti - Določevanje suhe snovi

Plant biostimulants - Determination of dry matter

Osnova: CEN/TS 17704:2022

ICS: 65.080

This document specifies the procedure for the determination and calculation of the dry matter fraction of plant biostimulants for which the results of performed analysis are to be calculated to the dry matter basis.

This document is also applicable to the blends of fertilizing products where plant biostimulants are the main part of the blend. Otherwise, the Technical Specification for the main part of the blend apply.

SIST-TS CEN/TS 17705:2023

2023-02 (po) (en;fr;de) 12 str. (C)

Rastlinski biostimulanti - Določevanje fosfonatov

Plant biostimulants - Determination of phosphonates

Osnova: CEN/TS 17705:2022

ICS: 65.080

This document specifies a method for the extraction and determination of phosphonates (P-PO3) in plant biostimulants using ion chromatography and conductivity detection (IC-CD).
This document is also applicable to the blends of fertilizing products where plant biostimulants are the main part of the blend. Otherwise, the Technical Specification for the main part of the blend apply.

SIST-TS CEN/TS 17706:2023**2023-02 (po) (en;fr;de) 15 str. (D)**

Rastlinski biostimulanti - Določevanje anorganskega arzena

Plant biostimulants - Determination of inorganic arsenic

Osnova: CEN/TS 17706:2022

ICS: 65.080

This document specifies a method for extraction, separation, and determination of inorganic arsenic (iAs) in plant biostimulants using anion-exchange HPLC or IC coupled to ICP-MS.

This document is also applicable to the blends of fertilizing products where plant biostimulants are the main part of the blend. Otherwise, the Technical Specification for the main part of the blend apply.

SIST-TS CEN/TS 17707:2023**2023-02 (po) (en;fr;de) 17 str. (E)**

Rastlinski biostimulanti - Določanje kvasovk in plesni

Plant biostimulants - Determination of the yeast and mould content

Osnova: CEN/TS 17707:2022

ICS: 65.080

This document specifies a horizontal method for the enumeration of yeasts and moulds present in plant biostimulant intended for use in agriculture, by means of the colony count technique after aerobic incubation at 25 °C ± 2,5 °C.

This document allows the enumeration of yeasts and moulds, in technical and formulated plant biostimulant, both in liquid and solid state. The method is applicable to microbial plant biostimulant except those composed of fungi or yeast to verify that the concentration of yeast and moulds does not exceed the respective limits described in the EU Fertilizers Regulation [1].

If necessary, yeast and mould enumerated can be identified using suitable identification tests.

SIST-TS CEN/TS 17708:2023**2023-02 (po) (en;fr;de) 17 str. (E)**

Rastlinski biostimulanti - Priprava vzorcev za mikrobiološko analizo

Plant biostimulants - Preparation of sample for microbial analysis

Osnova: CEN/TS 17708:2022

ICS: 65.080

This document defines general rules for the aerobic preparation of the initial suspension and of dilutions for microbiological examinations of microbial plant biostimulants.

This horizontal method might not be appropriate in very detail for certain products. In this case, different methods which are specific to these products can be used if necessary, for justified technical reasons.

SIST-TS CEN/TS 17709:2023**2023-02 (po) (en;fr;de) 13 str. (D)**Rastlinski biostimulanti - Določanje *Azotobacter* spp.*Plant biostimulants - Determination of *Azotobacter* spp.*

Osnova: CEN/TS 17709:2022

ICS: 65.080

This document was developed to provide the methodology for the enumeration and determination of *Azotobacter* sp. in plant biostimulant products in accordance with the Regulation (EU) 2019/1009 of the European Parliament and of the Council [1].

SIST-TS CEN/TS 17710:2023

2023-02 (po) (en;fr;de) 25 str. (F)

Rastlinski biostimulanti - Ugotavljanje prisotnosti *Listeria monocytogenes*

Plant biostimulants - Detection of Listeria monocytogenes

Osnova: CEN/TS 17710:2022

ICS: 65.080

This document provides a method for the detection of *Listeria monocytogenes* in microbial plant biostimulants for verifying that the concentration of this human pathogen does not exceed the respective limits outlined in the EU Regulation on Fertilising Products [1].

SIST-TS CEN/TS 17711:2023

2023-02 (po) (en;fr;de) 33 str. (H)

Rastlinski biostimulanti - Ugotavljanje prisotnosti *Vibrio* spp.

Plant biostimulants - Detection of Vibrio spp

Osnova: CEN/TS 17711:2022

ICS: 65.080

This document specifies a horizontal method for the detection of enteropathogenic *Vibrio* spp., which causes human illness in or via the intestinal tract [1]. The species detectable by the methods specified include *Vibrio parahaemolyticus*, *Vibrio cholerae* and *Vibrio vulnificus*.

It is applicable to the following:

- microbial plant biostimulants.

NOTE 1 The World Health Organization (WHO) has identified that *V. parahaemolyticus*, *V. cholerae* and *V. vulnificus* are the major contaminants of *Vibrio* spp. [1].

NOTE 2 For confirmation, it is possible to use PCR tests; in this case the laboratory validates the procedure and data generated.

SIST-TS CEN/TS 17712:2023

2023-02 (po) (en;fr;de) 13 str. (D)

Rastlinski biostimulanti - Ugotavljanje prisotnosti *Staphylococcus aureus*

Plant biostimulants - Detection of Staphylococcus aureus

Osnova: CEN/TS 17712:2022

ICS: 65.080

This document provides a method for verifying that the pathogen *Staphylococcus aureus* is present in microbial plant biostimulants according to the limits outlined in the EU Regulation on Fertilising Products [2].

SIST-TS CEN/TS 17713:2023

2023-02 (po) (en;fr;de) 15 str. (D)

Rastlinski biostimulanti - Določanje *Azospirillum* spp.

Plant biostimulants - Determination of Azospirillum spp.

Osnova: CEN/TS 17713:2022

ICS: 65.080

This document provides the methodology for the enumeration and determination of *Azospirillum* sp. in plant biostimulant products in accordance to the Regulation of EU fertilising products [1].

SIST-TS CEN/TS 17714:2023

2023-02 (po) (en;fr;de) 19 str. (E)

Rastlinski biostimulanti - Določevanje koncentracije mikroorganizmov

Plant biostimulants - Determination of microorganisms' concentration

Osnova: CEN/TS 17714:2022

ICS: 65.080

This document was provided to define general rules for determine microorganism concentration present in plant biostimulant products.

The method is applicable to microbial plant biostimulants for verifying that the concentration of microorganisms does not exceed the respective limits outlined in the EU Regulation on Fertilising Products [1].

This horizontal method might not be appropriate in very detail for certain products. In this case, it is necessary to refer to the methodology of specific determination and quantification of the microorganisms.

SIST-TS CEN/TS 17715:2023

2023-02 (po) (en;fr;de) 27 str. (G)

Rastlinski biostimulanti - Ugotavljanje prisotnosti *Shigella* spp.

Plant biostimulants - Detection of Shigella spp

Osnova: CEN/TS 17715:2022

ICS: 65.080

This document provides a method for verifying that the pathogen *Shigella* spp is not present in microbial plant biostimulants in a concentration that exceeds the respective limits outlined in the EU Regulation on Fertilizing Products.

The detection method for *Shigella* pathogens is not sensitive and quantification is rarely performed. Detection is usually performed using an enrichment medium followed by subculturing onto a variety of selective media.

SIST-TS CEN/TS 17716:2023

2023-02 (po) (en;fr;de) 20 str. (E)

Rastlinski biostimulanti - Določanje *Escherichia coli*

Plant biostimulants - Determination of Escherichia coli

Osnova: CEN/TS 17716:2022

ICS: 65.080

This document gives general guidelines for the detection and identification of the specified microorganism *Escherichia coli* in technical and formulated biostimulant products, both in liquid and solid state, and also the horizontal method for the enumeration of β -glucuronidase-positive *Escherichia coli* in plant biostimulants products (both in liquid and solid state).

The qualitative method described in this document is based on the detection of *Escherichia coli* in a non-selective liquid medium (enrichment broth), followed by isolation on a selective agar medium. Other methods can be appropriate, depending on the level of detection required.

NOTE For the detection of *Escherichia coli*, subcultures can be performed on non-selective culture media followed by suitable identification steps (e.g. using identification kits).

The quantitative method described in this document uses a colony-count technique at 44 °C on a solid medium containing a chromogenic ingredient for detection of the enzyme β -glucuronidase.

WARNING - Strains of *Escherichia coli* which do not grow at 44 °C and, in particular, those that are β -glucuronidase negative, such as *Escherichia coli* O157, will not be detected.

SIST-TS CEN/TS 17717:2023

2023-02 (po) (en;fr;de) 19 str. (E)

Rastlinski biostimulansi - Ugotavljanje prisotnosti salmonelle (*Salmonella* spp.)

Plant biostimulants - Detection of Salmonella spp

Osnova: CEN/TS 17717:2022

ICS: 65.080

This document describes a method for the detection of *Salmonella* spp. in biostimulants of the following Product Function Categories (PFCs) and Component Material Category (CMC) of EU fertilizing products, as described in the Regulation (EU) 2019/1009 of the European Parliament and of the Council [1]:

- PFC 6(A): Microbial plant biostimulant;
- PFC 6(B): Non-microbial plant biostimulant;

- CMC 7: Microorganisms.

It requires three successive steps: a non-selective enrichment, an isolation on a chromogenic agar, and if positive a confirmation with a serological test (and if required, a selective media).

SIST-TS CEN/TS 17718:2023

2023-02 (po) (en;fr;de) 16 str. (D)

Rastlinski biostimulanti - Določanje *Rhizobium* spp.

Plant biostimulants - Determination of Rhizobium spp

Osnova: CEN/TS 17718:2022

ICS: 65.080

This document provides the methodology for the enumeration and determination of *Rhizobium* sp., *Mesorhizobium* sp., *Ensifer* sp., or *Bradyrhizobium* sp.) in plant biostimulant products in accordance with the Regulation (EU) 2019/1009 of the European Parliament and of the Council [1].

SIST-TS CEN/TS 17719:2023

2023-02 (po) (en;fr;de) 14 str. (D)

Rastlinski biostimulanti - Določanje števila na anaerobnih mikrotitrskih ploščah

Plant biostimulants - Determination of the anaerobic plate count

Osnova: CEN/TS 17719:2022

ICS: 65.080

This document provides a horizontal method for enumeration of microorganisms that are able to grow and form colonies in a solid medium after anaerobic incubation at 30 °C.

The method is applicable to microbial plant biostimulants for verifying that the concentration of anaerobes does not exceed the respective limits outlined in the EU Regulation on Fertilising Products [1].

This method does not apply to the microbiological monitoring of the environment in which microbial plant biostimulants are manufactured.

No information about potential human pathogens can be inferred from anaerobic plate counts.

SIST-TS CEN/TS 17720:2023

2023-02 (po) (en;fr;de) 14 str. (D)

Rastlinski biostimulanti - Določanje Enterococcaceae

Plant biostimulants - Determination of Enterococcaceae

Osnova: CEN/TS 17720:2022

ICS: 65.080

This methodology has been developed to determine enterococci in biostimulants as a single microorganism component or in a mixture with other microorganisms. This document is not applicable to mineral fertilizers that are defined as complementary feeding stuffs composed mainly of minerals and containing at least 40 % crude ash (Council Directive 79/373/EEC) [3].

SIST-TS CEN/TS 17721:2023

2023-02 (po) (en;fr;de) 15 str. (D)

Rastlinski biostimulanti - Določevanje pH-vrednosti za tekoče mikrobne biostimulante/mikrobne

proizvode - Določevanje pH-vrednosti

Plant biostimulants - Determination of the pH for liquid microbial plant biostimulants/pH in microbial products - Determination of pH

Osnova: CEN/TS 17721:2022

ICS: 65.080

This document specifies a method for laboratory measurement of the pH value in liquid microbial plant biostimulants, using pH electrodes with a glass membrane.

From the scope of this document plant biostimulants other than microbial Plant Biostimulants are excluded because there is no essential requirement in the Regulation [1] for measuring the pH of non-microbial Plant Biostimulants.

SIST-TS CEN/TS 17722:2023**2023-02 (po) (en;fr;de) 40 str. (H)**Rastlinski biostimulanti - Določanje mikoriznih gliv
Plant biostimulants - Determination of Mycorrhizal fungi

Osnova: CEN/TS 17722:2022

ICS: 65.080

This document was developed to provide a horizontal method for enumeration and genera/specie determination [1], [2], [3] of mycorrhizal fungi in plant biostimulants products in accordance to the Regulation of EU fertilizing products.

SIST-TS CEN/TS 17723:2023**2023-02 (po) (en;fr;de) 12 str. (C)**Rastlinski biostimulanti - Določevanje klorida
Plant biostimulants - Determination of chloride

Osnova: CEN/TS 17723:2022

ICS: 65.080

This document specifies a potentiometric method for the determination of chloride (Cl-) content in the presence or in the absence of organic material. This method is applicable to plant biostimulants.

SIST-TS CEN/TS 17724:2023**2023-02 (po) (en;fr;de) 23 str. (F)**Rastlinski biostimulanti - Terminologija
Plant Biostimulants - Terminology

Osnova: CEN/TS 17724:2022

ICS: 01.040.65, 65.080

This document specifies the terms and definitions referred to all the plant biostimulant field and it is constituted by 6 subclauses:

- 3.1 Claims
- 3.2 Terms relating to components
- 3.3 Terms relating to application method
- 3.4 Terms relating to sample preparation
- 3.5 Terms relating to physical form
- 3.6 Others terms relating to plant biostimulants

SIST-TS CEN/TS 17725:2023**2023-02 (po) (en;fr;de) 14 str. (D)**Rastlinski biostimulanti - Določanje količine (mase ali prostornine)
Plant biostimulants - Determination of the quantity (indicated by mass or volume)

Osnova: CEN/TS 17725:2022

ICS: 65.080

This document specifies the methods to be used for the determination of quantity of solid and liquid forms of Plant biostimulants in packages, containers or in bulk.

This document is not applicable to the quantity determination of: Soil improvers, growing media, organic and organo-mineral fertilizers and fertilizing product blends whose main constituent is a growing media or soil improver. The method for quantity determination for these products is given in EN 15761, EN 15238 and EN 12580.

SIST-TS CEN/TS 17751:2023

2023-02 (po) (en;fr;de) 7 str. (B)

Anorganska gnojila - Določanje specifičnih parametrov v gnojilih iz amonijevega nitrata z veliko vsebnostjo dušika

Inorganic fertilizers - Determination of specific parameters in ammonium nitrate fertilizers of high nitrogen content

Osnova: CEN/TS 17751:2022

ICS: 65.080

This document specifies references to methods for the determination of the following specific parameters in ammonium nitrate fertilizers of high nitrogen content:

- ☒ the nitrogen content as a result of ammonium nitrate,
- ☒ the combustible ingredient content,
- ☒ pH of a solution of ammonium nitrate fertilizers of high nitrogen content,
- ☒ the particle size of ammonium nitrate fertilizers of high nitrogen content,
- ☒ the chloride content,
- ☒ the copper content.

SIST-TS CEN/TS 17752:2023

2023-02 (po) (en;fr;de) 8 str. (B)

Anorganska gnojila - Določevanje specifičnih inhibitorjev

Inorganic fertilizers - Determination of specific inhibitors

Osnova: CEN/TS 17752:2022

ICS: 65.080

This document specifies references to methods for the determination of the nitrification inhibitor content, the denitrification inhibitor content and the urease inhibitor content in inorganic fertilizers.

SIST-TS CEN/TS 17753:2023

2023-02 (po) (en;fr;de) 9 str. (C)

Anorganska gnojila - Določevanje specifičnih onesnaževal

Inorganic fertilizers - Determination of specific contaminants

Osnova: CEN/TS 17753:2022

ICS: 65.080

This document specifies references to methods for the determination of the biuret, mercury, cadmium, nickel, copper, zinc, arsenic, lead, perchlorate, chromium VI and total chromium content in inorganic fertilizers.

SIST-TS CEN/TS 17754:2023

2023-02 (po) (en;fr;de) 9 str. (C)

Anorganska gnojila - Določevanje specifičnih mikrohranil

Inorganic fertilizers - Determination of specific micronutrients

Osnova: CEN/TS 17754:2022

ICS: 65.080

This document specifies references to methods for the determination of the content of the following specific micronutrients in inorganic fertilizers:

- ☒ the total boron content;
- ☒ the total cobalt content;
- ☒ the total copper and zinc content;
- ☒ the total iron content;
- ☒ the total manganese content;
- ☒ total molybdenum content;
- ☒ the water-soluble boron content;
- ☒ the water-soluble cobalt content;
- ☒ the water-soluble copper content;

- ☒ the water-soluble iron content;
- ☒ the water-soluble manganese content;
- ☒ the water-soluble molybdenum content;
- ☒ the water-soluble zinc content;
- ☒ the sum of declared micronutrients in compound micronutrient fertilizers.

SIST-TS CEN/TS 17755:2023**2023-02 (po) (en;fr;de) 7 str. (B)**

Anorganska gnojila - Določanje specifičnih parametrov

Inorganic fertilizers - Determination of specific parameters

Osnova: CEN/TS 17755:2022

ICS: 65.080

This document specifies references to methods for the determination of the granulometry in inorganic fertilizers.

SIST-TS CEN/TS 17756:2023**2023-02 (po) (en;fr;de) 7 str. (B)**

Organska, organsko-mineralna in anorganska gnojila ter sredstva za apnjenje - Določevanje klorida

Organic fertilizers, organo-mineral fertilizers, inorganic fertilizers and liming materials - Determination of the chloride content

Osnova: CEN/TS 17756:2022

ICS: 65.080

This document specifies references to methods for the determination of the chloride content in organic fertilizers, organo-mineral fertilizers, inorganic fertilizers and liming materials.

SIST-TS CEN/TS 17757:2023**2023-02 (po) (en;fr;de) 10 str. (C)**

Anorganska gnojila - Določevanje specifičnih hranil

Inorganic fertilizers - Determination of specific nutrients

Osnova: CEN/TS 17757:2022

ICS: 65.080

This document specifies references to methods for the determination of the content of the following specific nutrients in inorganic fertilizers:

- ☒ the total nitrogen content,
- ☒ the ammoniacal nitrogen content,
- ☒ the nitric nitrogen content,
- ☒ the urea nitrogen content,
- ☒ the content of nitrogen from urea formaldehyde, IBDU and CDU,
- ☒ the cyanamide nitrogen content,
- ☒ the methylene-urea nitrogen content,
- ☒ the total P₂O₅ content,
- ☒ the water-soluble P₂O₅ content,
- ☒ the neutral ammonium citrate soluble P₂O₅ content,
- ☒ the formic acid soluble P₂O₅ content,
- ☒ the total K₂O content,
- ☒ the water-soluble K₂O content,
- ☒ the total MgO content,
- ☒ the water-soluble MgO content,
- ☒ the total CaO content,
- ☒ the water-soluble CaO content,
- ☒ the total SO₃ content,
- ☒ the water-soluble SO₃ content,
- ☒ the total Na₂O content,
- ☒ the water-soluble Na₂O content.

SIST-TS CEN/TS 17759:2023

2023-02 (po) (en;fr;de) **6 str. (B)**

Anorganska gnojila - Določanje pH-vrednosti raztopine gnojil iz amonijevega nitrata z veliko vsebnostjo dušika

Inorganic fertilizers - Determination of pH of a solution of ammonium nitrate fertilizers of high nitrogen content

Osnova: CEN/TS 17759:2022

ICS: 65.080

This document specifies a method for the determination of pH of a solution of ammonium nitrate fertilizers of high nitrogen content.

SIST-TS CEN/TS 17760:2023

2023-02 (po) (en;fr;de) **6 str. (B)**

Anorganska gnojila - Določanje velikosti delcev gnojil iz amonijevega nitrata z veliko vsebnostjo dušika

Inorganic fertilizers - Determination of particle size of ammonium nitrate fertilizers of high nitrogen content

Osnova: CEN/TS 17760:2022

ICS: 65.080

This document specifies a method for the determination of particle size of ammonium nitrate fertilizers of high nitrogen content.

SIST-TS CEN/TS 17761:2023

2023-02 (po) (en;fr;de) **8 str. (B)**

Anorganska gnojila - Določevanje klorida v gnojilih iz amonijevega nitrata z veliko vsebnostjo dušika

Inorganic fertilizers - Determination of the chloride content in ammonium nitrate fertilizers of high nitrogen content

Osnova: CEN/TS 17761:2022

ICS: 65.080

This document specifies a method for the determination of the chloride content in ammonium nitrate fertilizers of high nitrogen content.

SIST-TS CEN/TS 17762:2023

2023-02 (po) (en;fr;de) **7 str. (B)**

Anorganska gnojila - Določevanje bakra v gnojilih iz amonijevega nitrata z veliko vsebnostjo dušika

Inorganic fertilizers - Determination of the copper content in ammonium nitrate fertilizers of high nitrogen content

Osnova: CEN/TS 17762:2022

ICS: 65.080

This document specifies a method for the determination of the copper content in ammonium nitrate fertilizers of high nitrogen content.

SIST-TS CEN/TS 17764:2023

2023-02 (po) (en;fr;de) **15 str. (D)**

Anorganska gnojila z mikrohranili - Določanje koncentracije prostih, kelatiranih ali kompleksiranih mikrohranil ter sredstev za kelatiranje in/ali kompleksiranje v sestavljenih anorganskih gnojilih z mikrohranili

Inorganic micronutrient fertilizers - Determination of the concentration of free, chelated or complexed micronutrients and the chelating and/or complexing agents present in compound inorganic micronutrient fertilizers

Osnova: CEN/TS 17764:2022

ICS: 65.080

This document specifies a method for the determination of the fraction of chelated and complexed micronutrients in compound inorganic micronutrient fertilizers.

SIST-TS CEN/TS 17765:2023

2023-02 (po) (en;fr;de) 10 str. (C)

Organska in organsko-mineralna gnojila - Določevanje biureta s tekočinsko kromatografijo visoke ločljivosti (HPLC)

Organic and organo-mineral fertilizers - Determination of the biuret content by high-performance liquid chromatography (HPLC)

Osnova: CEN/TS 17765:2022

ICS: 65.080

This document establishes the methodology for the determination of the biuret content.

SIST-TS CEN/TS 17766:2023

2023-02 (po) (en;fr;de) 6 str. (B)

Organska in organsko-mineralna gnojila - Ekstrakcija z vodo za določevanje elementov

Organic and organo-mineral fertilizers - Extraction by water for subsequent determination of elements

Osnova: CEN/TS 17766:2022

ICS: 65.080

The document establishes the methodology for the extraction by water of different nutrients : P, K, Ca, Mg, Na, S, B, Co, Cu, Fe, Mn, Mo, Zn before the determination of their water-soluble content.

SIST-TS CEN/TS 17767:2023

2023-02 (po) (en;fr;de) 6 str. (B)

Organsko-mineralna gnojila - Ekstrakcija fosforja z metanojsko kislino

Organo-mineral fertilizers - Extraction of phosphorus by formic acid

Osnova: CEN/TS 17767:2022

ICS: 65.080

This document establishes the methodology for the extraction of phosphorus by formic acid for subsequent determination of P in organo-mineral fertilizers.

SIST-TS CEN/TS 17768:2023

2023-02 (po) (en;fr;de) 10 str. (C)

Organska in organsko-mineralna gnojila - Razklop z zlatotopko za določevanje elementov

Organic and organo-mineral fertilizers - Digestion by aqua regia for subsequent determination of elements

Osnova: CEN/TS 17768:2022

ICS: 65.080

The document establishes the methodology for the digestion by aqua regia of the different nutrients and trace elements (P, K, Ca, Mg, Na, S, B, Cu, Co, Fe, Mn, Mo, Zn, As, Cd, Cr, Hg, Ni, Pb) before the determination of their total content.

SIST-TS CEN/TS 17769:2023

2023-02 (po) (en;fr;de) 13 str. (D)

Organska in organsko-mineralna gnojila - Določevanje živega srebra

Organic and organo-mineral fertilizers - Determination of the mercury content

Osnova: CEN/TS 17769:2022

ICS: 65.080

The document establishes the methodology for the determination of the mercury content.

SIST-TS CEN/TS 17770:2023

2023-02 (po) (en;fr;de) 12 str. (C)

Organska in organsko-mineralna gnojila - Določanje celotne vsebnosti specifičnih elementov z atomsko emisijsko spektrometrijo z induktivno sklopljeno plazmo (ICP-AES) po razklopu z zlatotopko
Organic and organo-mineral fertilizers - Determination of the total content of specific elements by ICP-AES after digestion by aqua regia

Osnova: CEN/TS 17770:2022

ICS: 65.080

The document establishes the methodology for the determination of the total content of P, K, Ca, Mg, Na, S, B, Co, Cu, Fe, Mn, Mo, Zn, As, Cd, Cr, Ni, Pb by ICP-AES after their digestion by aqua regia.

SIST-TS CEN/TS 17771:2023

2023-02 (po) (en;fr;de) 15 str. (D)

Organska in organsko-mineralna gnojila - Določevanje dušika
Organic and organo-mineral fertilizers - Determination of the nitrogen content

Osnova: CEN/TS 17771:2022

ICS: 65.080

The document establishes the methodology for the determination of the nitrogen content including total nitrogen and ammoniacal, nitric, urea, organic nitrogen as well as the calculation of the nitrogen content as a result of ammonium nitrate.

SIST-TS CEN/TS 17772:2023

2023-02 (po) (en;fr;de) 7 str. (B)

Organska in organsko-mineralna gnojila - Določanje specifičnih parametrov
Organic and organo-mineral fertilizers - Determination of specific parameters

Osnova: CEN/TS 17772:2022

ICS: 65.080

The document establishes the methodology for the determination of specific parameters including the determination of the organic carbon content and the dry matter content.

SIST-TS CEN/TS 17773:2023

2023-02 (po) (en;fr;de) 9 str. (C)

Organska in organsko-mineralna gnojila - Določevanje suhe snovi
Organic and organo-mineral fertilizers - Determination of the dry matter content

Osnova: CEN/TS 17773:2022

ICS: 65.080

This document specifies a method for the determination of the dry matter content in organic and organo-mineral fertilizers.

SIST-TS CEN/TS 17774:2023

2023-02 (po) (en;fr;de) 12 str. (C)

Organska in organsko-mineralna gnojila - Določanje vsebnosti specifičnih elementov z atomsko emisijsko spektrometrijo z induktivno sklopljeno plazmo (ICP-AES) po ekstrakciji z vodo
Organic and organo-mineral fertilizers - Determination of the content of specific elements by ICP-AES after extraction by water

Osnova: CEN/TS 17774:2022

ICS: 65.080

The document establishes the methodology for the determination of water-soluble content of P, K, Ca, Mg, Na, S, B, Co, Cu, Fe, Mn, Mo, Zn by ICP-AES.

SIST-TS CEN/TS 17775:2023**2023-02 (po) (en;fr;de) 16 str. (D)**

Organska in organsko-mineralna gnojila - Določevanje anorganskega arzena

Organic and organo-mineral fertilizers - Determination of the inorganic arsenic content

Osnova: CEN/TS 17775:2022

ICS: 65.080

The document establishes the methodology for the determination of the inorganic arsenic content.

SIST-TS CEN/TS 17776:2023**2023-02 (po) (en;fr;de) 14 str. (D)**

Organska in organsko-mineralna gnojila - Določevanje celotnega organskega ogljika (TOC) s suhim sežigom

Organic and organo-mineral fertilizers - Determination of the total organic carbon (TOC) content by dry combustion

Osnova: CEN/TS 17776:2022

ICS: 65.080

This document specifies a method for the determination of the organic carbon content in organic and organo-mineral fertilizers.

SIST-TS CEN/TS 17777:2023**2023-02 (po) (en;fr;de) 11 str. (C)**

Organska in organsko-mineralna gnojila - Določevanje specifičnih elementov

Organic and organo-mineral fertilizers - Determination of specific elements

Osnova: CEN/TS 17777:2022

ICS: 65.080

The document establishes the methodology for the determination of :

- total P₂O₅, K₂O, CaO, MgO, Na₂O, SO₃ content in organic and organo-mineral fertilizers;
- inorganic As, Cd, total Cr, Hg, Ni, Pb, Cu, Zn content in organic and organo-mineral fertilizers;
- water soluble CaO, MgO, Na₂O, SO₃ content in organic and organo-mineral fertilizers;
- water soluble P₂O₅, K₂O content in organo-mineral fertilizers;
- neutral ammonium citrate soluble P₂O₅ content in organo-mineral fertilizers;
- formic acid soluble P₂O₅ content in organo-mineral fertilizers;
- total B, Co, Fe, Mn, Mo content in organo-mineral fertilizers;
- water soluble B, Co, Cu, Fe, Mn, Mo, and Zn content in organo-mineral fertilizers;

SIST-TS CEN/TS 17778:2023**2023-02 (po) (en;fr;de) 19 str. (E)**

Organska in organsko-mineralna gnojila - Določevanje kroma Cr(VI) s kromatografijo

Organic and organo-mineral fertilizers - Determination of the chromium (VI) content by chromatography

Osnova: CEN/TS 17778:2022

ICS: 65.080

The document establishes the methodology for the determination of the chromium VI content in organic and organo-mineral fertilizers by ion chromatography.

SIST-TS CEN/TS 17779:2023**2023-02 (po) (en;fr;de) 6 str. (B)**

Organsko-mineralna gnojila - Ekstrakcija fosforja, topnega v nevtralnem amonijevem citratu

Organic and organo-mineral fertilizers - Extraction of phosphorus, which is soluble in neutral ammonium citrate

Osnova: CEN/TS 17779:2022

ICS: 65.080

The document establishes the methodology for the extraction of phosphorus, which is soluble in neutral ammonium citrate in organo-mineral fertilizers.

SIST-TS CEN/TS 17780:2023

2023-02 (po) (en;fr;de) 19 str. (E)

Organska, organsko-mineralna in anorganska gnojila - Ugotavljanje prisotnosti salmonelle (*Salmonella* spp.)

Organic, organo-mineral and inorganic fertilizers - Detection of Salmonella spp.

Osnova: CEN/TS 17780:2022

ICS: 65.080

This document is applicable to fertilizing products, which are classified as PFC 1(A) and PFC 1(B) or the PFC 1(A) and PFC 1(B) component in PFC 7 of Regulation (EU) 2019/1009 [1]. However, the present method was not validated for blends.

This document specifies a method for the detection of *Salmonella* spp. in organic, organo-mineral and inorganic fertilizers. The method is based on EN ISO 6579-1 and its validated alternative methods for the detection of *Salmonella* spp. in food and feeding stuff.

It requires three successive steps: A selective enrichment, an isolation on a chromogenic agar, and if positive a confirmation with a serological test (and if required, a selective media).

SIST-TS CEN/TS 17781:2023

2023-02 (po) (en;fr;de) 18 str. (E)

Organska, organsko-mineralna in anorganska gnojila - Ugotavljanje prisotnosti *Escherichia coli*

Organic, organo-mineral and inorganic fertilizers - Detection of Escherichia coli

Osnova: CEN/TS 17781:2022

ICS: 65.080

This document is applicable to fertilizing products, which are classified as PFC 1(A) and PFC 1(B) or the PFC 1(A) and PFC 1(B) component in PFC 7 of Regulation (EU) 2019/1009 [1]. However, the present method was not validated for blends.

This document specifies a colony-count technique at 44 °C on a solid medium containing a chromogenic ingredient for the detection of the enzyme β -glucuronidase. The method is based on ISO 16649-2 [4].

Strains of *Escherichia coli* which do not grow at 44 °C and, in particular, those that are β -glucuronidase negative, such as *Escherichia coli* O157, will not be detected. Detected microorganisms are presumptively determined β -glucuronidase-positive *Escherichia coli*, since some Enterobacteriaceae, in particular *Shigella* and *Salmonella*, can also show β -glucuronidase activity at 44 °C.

SIST-TS CEN/TS 17782:2023

2023-02 (po) (en;fr;de) 10 str. (C)

Sredstva za gnojenje - Določanje stabilnosti sredstev za gnojenje, ki vsebujejo kelate mikrohranil pri različnih pH-vrednostih

Fertilizing products - Determination of the stability of fertilizing products containing micronutrient chelates at different pHs

Osnova: CEN/TS 17782:2022

ICS: 65.080

This document specifies a method for the determination of the soluble metal that remains in solution at different pHs after the application of a solution of the fertilizer substance containing micronutrient chelates in a tap water solution used as a reference.

The method applies to fertilizing products containing chelated micronutrients.

SIST-TS CEN/TS 17783:2023

2023-02 (po) (en;fr;de) 11 str. (C)

Sredstva za gnojenje - Določanje stabilnosti sredstev za gnojenje, ki vsebujejo komplekse mikrohranil

Fertilizing products - Determination of the stability of fertilizing products containing micronutrient complexes

Osnova: CEN/TS 17783:2022

ICS: 65.080

This document specifies a method for the determination of the stability of micronutrient complexes.

SIST-TS CEN/TS 17784-1:2023

2023-02 (po) (en;fr;de) 14 str. (D)

Organsko-mineralna gnojila - Identifikacija sredstev za kompleksiranje - 1. del: Metoda z UV/VIS spektrofotometrijo in gravimetrijo

Organo-mineral fertilizers - Identification of complexing agents - Part 1: Method using UV-Vis spectrophotometry and gravimetry

Osnova: CEN/TS 17784-1:2022

ICS: 65.080

This document specifies two methods required for the identification of lignosulfonate by UV-Vis spectrophotometry (method A) and gravimetry (method B) in organo-mineral fertilizers.

NOTE Lignosulfonate, as a complexing agent, is a natural polymer produced as a by-product of the sulfite method for manufacturing paper from wood pulp in the paper industry. As a natural polymer, it presents a poorly defined and variable chemical structure. It is an intricate mixture of small- to moderate-sized polymeric compounds with sulfonate groups attached to the molecule, and diverse complexing capacity.

SIST-TS CEN/TS 17784-2:2023

2023-02 (po) (en;fr;de) 15 str. (D)

Organsko-mineralna gnojila - Identifikacija sredstev za kompleksiranje - 2. del: Metoda s tekočinsko kromatografijo visoke ločljivosti (HPLC)

Organo-mineral fertilizers - Identification of complexing agents - Part 2: Method using high-performance liquid chromatography (HPLC)

Osnova: CEN/TS 17784-2:2022

ICS: 65.080

This document specifies a chromatographic method which allows the identification of heptagluconic acid (HGA) in organo-mineral fertilizers containing heptagluconic acid metal complexes.

NOTE For the complete names of the chelating agents mentioned in this document, see Annex D.

SIST-TS CEN/TS 17785:2023

2023-02 (po) (en;fr;de) 8 str. (B)

Organsko-mineralna gnojila - Določevanje sredstev za kelatiranje in kompleksiranje

Organo-mineral fertilizers - Determination of chelating and complexing agents

Osnova: CEN/TS 17785:2022

ICS: 65.080

This document specifies references to the methods for the determination of chelating and complexing agents in organo-mineral fertilizers. The document specifies references to the methods and requirements for organo-mineral fertilizers in accordance with PFC 1 (B) as specified in the Regulation (EU) 2019/1009 [1].

Organo-mineral materials for this purpose are organic fertilizers containing micronutrient chelates or complexes and/or mixtures of them, in powder or granular form, aqueous or suspension preparations.

SIST-TS CEN/TS 17786-1:2023

2023-02 (po) (en;fr;de) 13 str. (D)

Anorganska gnojila z mikrohranili - Določanje vsebnosti kelatiranih mikrohranil in deleža kelatiranih mikrohranil - 1. del: Obdelava s kationsko izmenjevalno smolo

Inorganic micronutrient fertilizers - Determination of the chelated micronutrient content and the chelated fraction of micronutrients - Part 1: Treatment with a cation exchange resin

Osnova: CEN/TS 17786-1:2022

ICS: 65.080

This document specifies a method for the determination of the chelated iron content and the chelated fraction of iron, in UVCB, EDDHA, EDDHMA, HBED, EDDHSA, in inorganic micronutrient fertilizers by the treatment with a cation exchange resin.

The limit of determination of the chelated iron content highly depends on the specific electrical conductivity of the sample, on the amount of nutrient present, and varies between 0,005 % in simple matrices with high amounts of micronutrient and 0,5 % in more complex cases (see 9.1).

SIST-TS CEN/TS 17786-2:2023

2023-02 (po) (en;fr;de) 11 str. (C)

Anorganska gnojila z mikrohranili - Določanje vsebnosti kelatiranih mikrohranil in deleža kelatiranih mikrohranil - 2. del: Določevanje EDTA, DTPA, HEEDTA, IDHA ali EDDS

Inorganic micronutrient fertilizers - Determination of the chelated micronutrient content and the chelated fraction of micronutrients - Part 2: Determination of EDTA, DTPA, HEEDTA, IDHA or EDDS

Osnova: CEN/TS 17786-2:2022

ICS: 65.080

This document specifies a method for the determination of the chelated fraction of micronutrients for fertilizers when one or many micronutrients are chelated by EDTA, DTPA, HEEDTA, IDHA or [S,S]-EDDS in fertilizers.

This method is used for inorganic micronutrient fertilizers when micronutrients are chelated only by EDTA, DTPA, HEEDTA, IDHA or [S,S]-EDDS or for mixtures in which EDTA, DTPA, HEEDTA, IDHA or [S,S]-EDDS is one of the chelating agents.

The method is applicable to all inorganic micronutrient fertilizers containing EDTA, DTPA, HEEDTA, IDHA or [S,S]-EDDS as chelating agent for contents > 0,1% (g/100 g).

The method is based on ICP or AAS measurement of the concentration of micronutrients according to EN 16963 or EN 16965 after water extraction according to EN 16962 and LC measurement of the chelating agents according to EN 15950, EN 13368-1 and EN 13368-3.

SIST-TS CEN/TS 17787:2023

2023-02 (po) (en;fr;de) 7 str. (B)

Sredstva za gnojenje - Stabilnost sredstev za kelatiranje in kompleksiranje

Fertilizing products - Stability of chelating and complexing agents

Osnova: CEN/TS 17787:2022

ICS: 65.080

This document specifies the references to the methods for the determination of stability of chelating and complexing agents for CMC 1 as specified in the Regulation (EU) 2019/1009. The document specifies references to the methods and requirements for inorganic micronutrient fertilizers in accordance with PFC 1(C)(II) as specified in the Regulation (EU) 2019/1009 [1].

Inorganic micronutrient materials for this purpose are micronutrient chelates or complexes and mixtures of them, in powder or granular form, aqueous or suspension preparations.

SIST-TS CEN/TS 17788:2023

2023-02 (po) (en;fr;de) 10 str. (C)

Organsko-mineralna gnojila - Določanje deleža kompleksiranih mikrohranil

Organo-mineral fertilizers - Determination of the fraction of complexed micronutrients

Osnova: CEN/TS 17788:2022

ICS: 65.080

This document specifies a general method for the determination of the micronutrients complexed by complexing agents in organo-mineral fertilizers. The method allows the determination of the total concentration of each complexed micronutrient in complexes after subtraction of the chelated micronutrients content, but it does not identify the individual complexing agents.

This procedure concerns EU organo-mineral fertilizing products which contain complexed micronutrients covered by Regulation (EU) 2019/1009 [6]. The method is applicable to a mass fraction of the metal complexed of at least 0,07 %, 0,006 % and 0,035 % of Fe, Mn and Zn respectively (see [7]). A lower limit of quantification has not been established for Cu and Co.

SIST-TS CEN/TS 17789-1:2023**2023-02 (po) (en;fr;de) 12 str. (C)**

Organsko-mineralna gnojila - Identifikacija sredstev za kelatiranje - 1. del: Določevanje EDTA, HEEDTA in DTPA z ionsko kromatografijo

Organo-mineral fertilizers - Identification of chelating agents - Part 1: Determination of EDTA, HEEDTA and DTPA by ion chromatography

Osnova: CEN/TS 17789-1:2022

ICS: 65.080

This document specifies a method for the determination by ion chromatography of the total amount of each of the individual chelating agents EDTA, HEEDTA, and DTPA in organo-mineral fertilizers, having an organic matrix based on vegetal residues (cocoa shells, grape residue, soybean residue, ...), algae extract, and animal meal (feather, bones, blood, ...) and containing one or more of these substances.

The method allows the identification and the determination of the total water-soluble fraction of each of these chelating agents. It does not allow to distinguish between the free form and the metal bound form of the chelating agents.

This method applies to organo-mineral fertilizers containing chelates of one or more of the following micronutrients: cobalt, copper, iron, manganese, zinc and with a mass fraction of at least 0,1 %.

SIST-TS CEN/TS 17789-2:2023**2023-02 (po) (en;fr;de) 18 str. (E)**

Organsko-mineralna gnojila - Identifikacija sredstev za kelatiranje - 2. del: Določevanje železa, kelatiranega z [o,o] EDDHA, [o,o] EDDHMA in HBED ali količino sredstev za kelatiranje s kromatografijo ionskih parov

Organo-mineral fertilizers - Identification of chelating agents - Part 2: Determination of Fe chelated by [o,o] EDDHA, [o,o] EDDHMA and HBED, or the amount of chelating agents by ion pair chromatography

Osnova: CEN/TS 17789-2:2022

ICS: 65.080

This document specifies a method for the determination by ion pair chromatography of the iron chelated by each individual ortho(hydroxy)-ortho(hydroxy) isomer of the chelating agents [o,o] EDDHA, [o,o] EDDHMA and by HBED in organo-mineral fertilizers, having an organic matrix based on vegetal residues (cocoa shells, grape residue, soybean residue, ...), algae extract, and animal meal (feather, bones, blood, ...) and containing one or more of these substances, except for [o,o] EDDHMA and HBED mixes.

The method allows the identification and the determination of the total concentration of water soluble iron chelates of these chelating agents. Also, after derivatization with Fe, the soluble amount of the chelating agents can be determined when other micronutrients beside Fe are present in organo-mineral fertilizers containing [o,o] EDDHA, [o,o] EDDHMA or HBED.

This method is applicable to a mass fraction of the metal chelated of at least 0,625 %.

NOTE 1 The substances EDDHA and EDDHMA exist as several different isomeric forms. Positional isomers for the hydroxyl or methyl groups (in ortho, meta, and para positions) as well as stereo isomers (meso and dl-racemic forms) are known. Both meso and dl-racemic forms of the [ortho,ortho] EDDHA and [ortho,ortho]. Since para, meta and ortho methyl positional isomers of the EDDHMA present quite similar stability, they could be grouped: in the method here described the para, meta and ortho methyl positional isomers of the [o,o] EDDHMA are considered together. HBED (N,N'-bis(2-hydroxybenzyl)-ethylenediamine-N,N'-diacetic acid) does not present isomeric forms.

NOTE 2 At present, analytically pure standards only exist for [ortho,ortho] EDDHA, [ortho,ortho] EDDHMA and HBED. All other substances being unavailable as a standard, the influence of their eventual presence in the samples (with respect to the sensitivity and the selectivity of this method) has not been studied.

NOTE 3 The meso and the dl-racemic forms of [o,o] EDDHA and [o,o] EDDHMA can be determined separately by this method.

SIST-TS CEN/TS 17790:2023

2023-02 (po) (en;fr;de) **13 str. (D)**

Organsko-mineralna gnojila - Določanje vsebnosti kelatiranih mikrohranil in deleža kelatiranih mikrohranil z obdelavo s kationsko izmenjalno smolo

Organo-mineral fertilizers - Determination of the chelated micronutrient content and the chelated fraction of micronutrients by treatment with a cation exchange resin

Osnova: CEN/TS 17790:2022

ICS: 65.080

This document specifies a method for the determination of the chelated micronutrient content and the chelated fraction of a micronutrient, in organo-mineral fertilizers, having an organic matrix based on vegetal residues (cocoa shells, grape residue, soybean residue, etc), algae extract, and animal meal (feather, bones, blood, etc) and containing UVCB, EDDHA, EDDHMA, HBED, EDDHSA micronutrients by the treatment with a cation exchange resin.

The limit of determination of the chelated micronutrient content highly depends on the specific electrical conductivity of the sample, on the amount of nutrient present, and varies between 0,005 % in simple matrices with high amounts of micronutrient, and 0,5 % in more complex cases (see 9.1).

SIST-TS CEN/TS 17791:2023

2023-02 (po) (en;fr;de) **9 str. (C)**

Anorganska gnojila - Določevanje sredstev za kelatiranje in kompleksiranje

Inorganic fertilizers - Determination of chelating and complexing agents

Osnova: CEN/TS 17791:2022

ICS: 65.080

This document specifies references to the methods for the determination of specific micronutrients, chelating and complexing agents. The document specifies references to the methods and requirements for inorganic micronutrient fertilizers in accordance with PFC 1 (C) (II) as specified in the Regulation (EU) 2019/1009 [1].

Inorganic micronutrient materials for this purpose are micronutrient salts or oxide and hydroxides, or micronutrient chelates or complexes and mixtures of them, in powder or granular form, aqueous or suspension preparation.

SIST/TC KAV Kakovost vode

SIST EN ISO 13165-2:2023

SIST EN ISO 13165-2:2020

2023-02 (po) (en;fr;de) **25 str. (F)**

Kakovost vode - Radij Ra-226 - 2. del: Preskusna metoda z emanometrijo (ISO 13165-2:2022)

Water quality - Radium-226 - Part 2: Test method using emanometry (ISO 13165-2:2022)

Osnova: EN ISO 13165-2:2022

ICS: 13.060.60, 17.240

This document specifies a test method to determine radium-226 (226Ra) activity concentration in all types of water by emanometry.

The test method specified is suitable for the determination of the soluble, suspended and total 226Ra activity concentration in all types of water with soluble 226Ra activity concentrations greater than 0,02 Bq l⁻¹.

The decay chains of 238U and 232Th are given in Annex A. Figure A.1 shows the 238U and its decay chain.

SIST/TC KON Konstrukcije

SIST EN 1993-1-1:2023

SIST EN 1993-1-1:2005
SIST EN 1993-1-1:2005/A1:2014
SIST EN 1993-1-1:2005/AC:2006
SIST EN 1993-1-1:2005/AC:2009

2023-02 (po) (en;fr;de) 120 str. (N)

Evrokod 3 - Projektiranje jeklenih konstrukcij - 1-1. del: Splošna pravila in pravila za stavbe

Eurocode 3 - Design of steel structures - Part 1-1: General rules and rules for buildings

Osnova: EN 1993-1-1:2022

ICS: 91.080.13, 91.010.30

1.1 Scope of EN 1993 1 1

(1) EN 1993 1 1 gives basic design rules for steel structures.

(2) It also gives supplementary provisions for the structural design of steel buildings. These supplementary provisions are indicated by the letter "B" after the paragraph number, thus ()B.

1.2 Assumptions

(1) The assumptions of EN 1990 apply to EN 1993 1 1.

(2) EN 1993 is intended to be used in conjunction with EN 1990, EN 1991 (all parts), the parts of EN 1992 to EN 1999 where steel structures or steel components are referred to within those documents, EN 1090 2, EN 1090 4 and ENs, EADs and ETAs for construction products relevant to steel structures.

SIST-TS CEN/TS 19101:2023

2023-02 (po) (en;fr;de) 238 str. (T)

Projektiranje kompozitnih konstrukcij iz vlaken in polimerov

Design of fibre-polymer composite structures

Osnova: CEN/TS 19101:2022

ICS: 91.080.99, 91.010.30

1.1 Scope of FprCEN/TS 19101

(1) This document applies to the design of buildings, bridges and other civil engineering structures in fibre-polymer composite materials, including permanent and temporary structures. It complies with the principles and requirements for the safety, serviceability and durability of structures, the basis of their design and verification that are given in EN 1990.

NOTE In this document, fibre-polymer composite materials are referred to as composite materials or as composites.

(2) This document is only concerned with the requirements for resistance, serviceability, durability and fire resistance of composite structures.

NOTE 1 Specific requirements concerning seismic design are not considered.

NOTE 2 Other requirements, e.g. concerning thermal or acoustic insulation, are not considered.

(3) This document gives a general basis for the design of composite structures composed of (i) composite members, or (ii) combinations of composite members and members of other materials (hybrid-composite structures), and (iii) the joints between these members.

(4) This document applies to composite structures in which the values of material temperature in members, joints and components in service conditions are (i) higher than -40 °C and (ii) lower than -20 °C, where is the glass transition temperature of composite, core and adhesive materials, defined according to 5.1(1).

(5) This document applies to:

(i) composite members, i.e. profiles and sandwich panels, and

(ii) bolted, bonded and hybrid joints and their connections.

NOTE 1 Profiles and sandwich panels can be applied in structural systems such as beams, columns, frames, trusses, slabs, plates and shells.

NOTE 2 Sandwich panels include homogenous core and web-core panels. In web-core panels, the cells between webs can be filled (e.g. with foam) or remain empty (e.g. panels from pultruded profiles).

NOTE 3 This document does not apply to sandwich panels made of metallic face sheets.

NOTE 4 Built-up members can result from the assembly of two or more profiles, through bolting and/or adhesive bonding.

NOTE 5 The main manufacturing processes of composite members include pultrusion, filament winding, hand layup, resin transfer moulding (RTM), resin infusion moulding (RIM), vacuum-assisted resin transfer moulding (VARTM).

NOTE 6 This document does not apply to composite cables or special types of civil engineering works (e.g. pressure vessels, tanks or chemical storage containers).

(6) This document applies to:

- (i) the composite components of composite members, i.e. composite plies, composite laminates, sandwich cores and plates or profiles, and
- (ii) the components of joints or their connections, i.e. connection plates or profiles (e.g. cleats), bolts, and adhesive layers.

NOTE 1 Composite components are composed of composite materials (i.e. fibres and matrix resins) and core materials. Components of joints and their connections are also composed of composite, steel or adhesive materials.

NOTE 2 The fibre architecture of composite components can comprise a single type of fibres or a hybrid of two or more types of fibres.

NOTE 3 This document does not apply to composite components used for internal reinforcement of concrete structures (composite rebars) or strengthening of existing structures (composite rebars, strips or sheets).

(7) This document applies to composite materials, comprising:

- (i) glass, carbon, basalt or aramid fibres, and
- (ii) a matrix based on unsaturated polyester, vinylester, epoxy or phenolic thermoset resins.

SIST-TS CEN/TS 1993-1-101:2023

2023-02 (po) (en;fr;de) **9 str. (C)**

Evrokod 3: Projektiranje jeklenih konstrukcij - 1-101. del: Alternativna interakcijska metoda za upogibno in tlačno obremenjene elemente

Eurocode 3: Design of steel structures - Part 1-101: Alternative interaction method for members in bending and compression

Osnova: CEN/TS 1993-1-101:2022

ICS: 91.080.13, 91.010.30

(1) This document provides an alternative method for the stability verification of steel members under compression axial force and bending moment, with reference to EN 1993 1 1.

NOTE For the applicability of this document, see Clause 4.

(2) The method given in this document applies to uniform steel members with double symmetric cross-section under axial compression force and bi-axial bending.

SIST/TC KŽP Kmetijski pridelki in živilski proizvodi

SIST EN 16923:2023

SIST EN 16923:2017

2023-02 (po) (en;fr;de) **27 str. (G)**

Živila - Določevanje toksinov T-2 in HT-2 v žitu in žitnih proizvodih za dojenčke in majhne otroke s HPLC-MS/MS po čiščenju s SPE

Foodstuffs - Determination of T-2 toxin and HT-2 toxin in cereals and cereal products for infants and young children by SPE clean up and HPLC-MS/MS

Osnova: EN 16923:2022

ICS: 67.230, 67.060

This document describes a method for the determination of T-2 toxin and HT-2 toxin in cereals and cereal-based products, e.g. oats, intended for nutrition of infants and young children by high performance liquid chromatography (HPLC) coupled with tandem mass spectrometry (MS/MS) after cleanup by solid phase extraction (SPE) [5].

The method has been validated for HT-2 toxin in oat flour at levels of 9,3 µg/kg and 28,1 µg/kg, oat flakes at levels of 16,5 µg/kg and 21,4 µg/kg, and breakfast cereals (containing oat flakes) at a level of

8,1 µg/kg and for T-2 toxin in oat flour at levels of 4,4 µg/kg and 8,3 µg/kg, oat flakes at levels of 4,9 µg/kg and 6,6 µg/kg and breakfast cereals (containing oat flakes) at a level of 3,5 µg/kg.

Laboratory experiences [6] have shown that the method is also applicable to highly swelling materials (dry cereal based porridges and modified starches), but these were not examined in the method validation study. Details are outlined in 7.3.

The method can also be applied to oat-by-products at higher levels of T-2- and HT-2 toxin. In this case, the dilution steps need to be considered [6].

The method can also be applied to cereals and cereal products for infants and young children based on e.g. wheat, barley and rice. In this case, the method needs to be in-house-validated for each material. At the time of the interlaboratory study, planned range was 10 µg/kg to 100 µg/kg, and it is known from the pre-study that the method works well in the whole range, although final validation was only done in the range from 3,5 µg/kg to 28,1 µg/kg.

SIST EN ISO 22753:2023

2023-02 (po) (en;fr;de) 34 str. (H)

Analiza molekularnih biomarkerjev - Metoda za statistično vrednotenje rezultatov analiz, pridobljenih pri preskušanju podvzorov skupin gensko spremenjenih semen in zrn - Splošne zahteve (ISO 22753:2021, popravljena verzija 2022-11)

Molecular biomarker analysis - Method for the statistical evaluation of analytical results obtained in testing sub-sampled groups of genetically modified seeds and grains - General requirements (ISO 22753:2021, Corrected version 2022-11)

Osnova: EN ISO 22753:2022

ICS: 67.050

This document describes general requirements, procedures and performance criteria for evaluating the content of genetically modified (GM) seeds/grains in a lot by a group testing strategy that includes qualitative analysis of sub-sampled groups followed by statistical evaluation of the results.

This document is applicable to group testing strategy estimating the GM content on a percentage seed/grain basis for purity estimation, testing towards a given reject/accept criterion and for cases where seed/grain lots are carrying stacked events.

This document is not applicable to processed products.

NOTE Description of the use of group testing strategy are available in References [1], [7], [8], [18], [19] and [20].

SIST/TC MOC Mobilne komunikacije

SIST EN IEC 61280-4-1:2019/AC:2023

2023-02 (po) (en,fr) 3 str. (AC)

Postopki preskušanja optičnega komunikacijskega podsistema - 4-1. del: Vgrajene žične oblike - Meritev mnogorodovnega slabljenja - Popravek AC (IEC 61280-4-1:2019/COR2:2022)

Fibre-optic communication subsystem test procedures - Part 4-1: Installed cabling plant - Multimode attenuation measurement (IEC 61280-4-1:2019/COR2:2022)

Osnova: EN IEC 61280-4-1:2019/AC:2022-12

ICS: 33.180.01

Popravek k standardu SIST EN IEC 61280-4-1:2019.

This part of IEC 61280 is applicable to the measurement of attenuation of installed optical fibre cabling plant using multimode optical fibre. This cabling plant can include multimode optical fibres, connectors, adapters, splices, and other passive devices. The cabling can be installed in a variety of environments including residential, commercial, industrial, and data centre premises, as well as outside plant environments. The test equipment used in this document has one single fibre connector interface or two single fibre connector interfaces.

In this document, the optical fibres that are addressed include sub-categories A1-OMx, where x = 2, 3, 4 and 5 (50/125 µm) and A1-OM1 (62,5/125 µm) multimode optical fibres, as specified in IEC 60793-2-10. The attenuation measurements of the other multimode categories can be made using the approaches of this document, but the source conditions for the other categories have not been defined.

SIST EN IEC 62037-7:2023

2023-02 (po) (en) **14 str. (D)**

Pasivne radiofrekvenčne (RF) in mikrovalovne naprave, meritve intermodulacijskega nivoja - 7. del: Terenska merjenja pasivne intermodulacije (IEC 62037-7:2022)

Passive rf and microwave devices, intermodulation level measurement - Part 7: Field measurements of passive intermodulation (IEC 62037-7:2022)

Osnova: EN IEC 62037-7:2022

ICS: 33.120.30, 33.120.10

IEC 62037-7:2022 defines test methods for reverse measurement of passive intermodulation (PIM) in systems of RF components deployed in the field. Field PIM measurements can be conducted on RF systems terminated into low PIM loads or on antenna feed systems that broadcast the test signals into the environment.

SIST EN IEC 62037-8:2023

2023-02 (po) (en) **14 str. (D)**

Pasivne radiofrekvenčne (RF) in mikrovalovne naprave, meritve intermodulacijskega nivoja - 8. del:

Merjenje pasivne intermodulacije, ki jo ustvarjajo objekti, izpostavljeni sevanju RF (IEC 62037-8:2022)

Passive RF and microwave devices, intermodulation level measurement - Part 8: Measurement of passive intermodulation generated by objects exposed to RF radiation (IEC 62037-8:2022)

Osnova: EN IEC 62037-8:2022

ICS: 33.120.30, 33.120.10

IEC 62037-8:2022 defines a radiated passive intermodulation (PIM) test to determine PIM levels generated by a device or object when it is exposed to RF radiation. This test can be conducted on any material or object and is not limited to devices designed to propagate RF signals. This test can be conducted as either a near field or far field test as defined by the test specification in an outdoor test site or in an anechoic test chamber.

SIST/TC MOV Merilna oprema za elektromagnetne veličine

SIST EN 61975:2010/A2:2023

2023-02 (po) (en;fr;de) **10 str. (C)**

Visokonapetostne enosmerne inštalacije (HVDC) - Sistemski preskusi - Dopolnilo A2 (IEC 61975:2010/AMD2:2022)

High-voltage direct current (HVDC) installations - System tests (IEC 61975:2010/AMD2:2022)

Osnova: EN 61975:2010/A2:2022

ICS: 29.130.10

Amandma A2:2023 je dodatek k standardu SIST EN 61975:2010.

This International Standard applies to system tests for high-voltage direct current (HVDC) installations which consist of a sending terminal and a receiving terminal, each connected to an a.c. system. The tests specified in this standard are based on bidirectional and bipolar high-voltage direct current (HVDC) installations which consist of a sending terminal and a receiving terminal, each connected to an a.c. system. The test requirements and acceptance criteria should be agreed for back-to-back installations, while multi-terminal systems and voltage sourced converters are not included in this standard. For monopolar HVDC installations, the standard applies except for bipolar tests. For the special functions or performances that are claimed by specific projects, some extra test items not included in this standard should be added according to the technical specification requirements. This standard only serves as a guideline to system tests for high-voltage direct current (HVDC) installations. The standard gives potential users guidance, regarding how to plan commissioning activities. The tests described in the guide may not be applicable to all projects, but represent a range of possible tests which should be considered. Therefore, it is preferable that the project organization establishes the individual test program based on this standard and in advance assigns responsibilities for various tasks/tests between involved organisations (e.g. user, supplier, manufacturer, operator, purchaser etc.) for each specific project.

SIST EN IEC 61406-1:2023**2023-02 (po) (en;fr;de) 48 str. (I)**

Identifikacijska povezava - 1. del: Splošne zahteve (IEC 61406-1:2022)

Identification Link - Part 1: General requirements (IEC 61406-1:2022)

Osnova: EN IEC 61406-1:2022

ICS: 35.240.15

IEC 61406-1:2022 specifies minimum requirements for a globally unique identification of physical objects which also constitutes a link to its related digital information. This identification is designated hereinafter as "Identification Link" (IL), with the encoded data designated as IL string. The IL string has the data-format of a link (URL). The IL is machine-readable and is attached to the physical object in a 2D symbol or NFC tag. The requirements in this standard apply to physical objects:

- that are provided by the manufacturer as an individual unit,
- and that have already been given a unique identity by the manufacturer.

This document does not specify any requirements on the content and the layout of nameplates/typeplates (e.g. spatial arrangement, content of the plain texts, approval symbols etc.).

SIST EN IEC 62714-2:2023

SIST EN 62714-2:2015

2023-02 (po) (en;fr;de) 61 str. (K)

Oblika izmenjave tehničnih podatkov za uporabo v industrijskem inženiringu avtomatizacije sistemov - Označevalni jezik za avtomatizacijo - 2. del: Semantične knjižnice (IEC 62714-2:2022)

Engineering data exchange format for use in industrial automation systems engineering - Automation markup language - Part 2: Semantics libraries (IEC 62714-2:2022)

Osnova: EN IEC 62714-2:2022

ICS: 35.240.50, 35.060, 25.040.40

The IEC 62714 series specifies an engineering data exchange format for use in industrial automation systems.

This part of IEC 62714 specifies normative as well as informative AML libraries for the modelling of engineering information for the exchange between engineering tools in the plant automation area by means of AML. Moreover, it presents additional user defined libraries as an example. Its provisions apply to the export/import applications of related tools.

This part of IEC 62714 specifies AML role class libraries and AML attribute type libraries. Role classes provide semantics to AML objects, attribute types provide semantics to AML attributes. The association of role classes to AML objects or attribute types to AML attributes represent the possibility to add (also external) semantic to it. By associating a role class to an AML object or an attribute type to an AML attribute, it gets a semantic. This part of IEC 62714 does not define details of the data exchange procedure or implementation requirements for the import/export tools.

SIST EN IEC 63365:2023**2023-02 (po) (en;fr;de) 25 str. (F)**

Merjenje, krmiljenje in avtomatizacija industrijskih procesov - Digitalna napisna ploščica (IEC 63365:2022)

Industrial process measurement, control and automation - Digital nameplate (IEC 63365:2022)

Osnova: EN IEC 63365:2022

ICS: 25.040.40, 35.240.15

IEC 63365:2022 applies to products used in the process measurement, control and automation industry. It establishes a concept and requirements for the digital nameplate and provides alternative electronically readable solutions (e.g. 2D codes, RFID or firmware) to current conventional plain text marking on the nameplate or packaging of products.

The digital nameplate information is contained in the electronically readable medium affixed to the product, the packaging or accompanying documents. The digital nameplate information is available offline without Internet connection. After electronic reading, all digital nameplate information is displayed in a human readable text format. The digital nameplate also includes the Identification Link String according to IEC 61406-1 which provides additional online information for the product.

This document does not specify the contents of the conventional nameplate, which are subject to regional or national regulations and standards.

SIST/TC NAD Naftni proizvodi, maziva in sorodni proizvodi

SIST 1011:2023

SIST 1011:2017

2023-02 (izv) (sl) 9 str. (SC)

Tekoči naftni proizvodi – Plinsko olje za ogrevanje (kurilno olje ekstra lahko) in gorivo za kmetijstvo (kurilno olje ekstra lahko – GK) – Zahteve in preskusne metode

Liquid petroleum products – Gas oil for heating and agricultural machinery – Requirements and test methods

Osnova:

ICS: 75.160.20

Standard vključuje zahteve in preskusne metode za plinska olja, namenjena ogrevanju ter pogonu kmetijske mehanizacije.

Plinsko olje, definirano v točkah 2.1. in 2.2. tega standarda – kurilno olje ekstra lahko in kurilno olje ekstra lahko – 10 ppm, se uporablja kot energent za ogrevanje.

Plinsko olje, definirano v točki 2.3 tega standarda – kurilno olje ekstra lahko – GK, se lahko uporablja kot energent za ogrevanje ali kot energent za pogon kmetijske mehanizacije, pri čemer mora gorivo poleg zahtevam tega standarda ustrezati tudi zahtevam standarda za dizelsko gorivo – SIST EN 590.

Pri uporabi tega goriva za pogon motorjev mora uporabnik upoštevati vsa določila in omejitve, ki jih s tem v zvezi predpisuje aktualna nacionalna zakonodaja.

SIST EN ISO 3679:2023

SIST EN ISO 3679:2015

2023-02 (po) (en;fr;de) 35 str. (H)

Določanje plamenišča - Metoda za plamen in plamenišče v zaprti posodi z majhno prostornino (ISO 3679:2022)

Determination of flash point - Method for flash no-flash and flash point by small scale closed cup tester (ISO 3679:2022)

Osnova: EN ISO 3679:2022

ICS: 75.080

This document describes three procedures (A, B and C) covering determinations of flash no-flash and flash point.

Rapid equilibrium procedures A and B are applicable to flash no-flash and flash point tests of paints, including water-borne paints, varnishes, binders for paints and varnishes, adhesives, solvents, petroleum products including aviation turbine, diesel and kerosene fuels, fatty acid methyl esters and related products over the temperature range –30 °C to 300 °C. The rapid equilibrium procedures are used to determine whether a product will or will not flash at a specified temperature (flash no-flash procedure A) or the flash point of a sample (procedure B). When used in conjunction with the flash detector (A.1.6), this document is also suitable to determine the flash point of fatty acid methyl esters (FAME). The validity of the precision is given in Table 2.

Non-equilibrium procedure C is applicable to petroleum products including aviation turbine, diesel and kerosene fuels, and related petroleum products, over the temperature range –20 °C to 300 °C. The non-equilibrium procedure is automated to determine the flash point. Precision has been determined over the range 40 °C to 135 °C.

For specifications and regulations, procedures A or B are routinely used (see 10.1.1).

SIST EN ISO 7278-2:2023

SIST EN ISO 7278-2:1998

2023-02 (po) (en;fr;de) 118 str. (N)

Merilni sistemi za nafto - 2. del: Načrtovanje, kalibracija in delovanje merilnika cevi (ISO 7278-2:2022)
Petroleum measurement systems - Part 2: Pipe prover design, calibration and operation (ISO 7278-2:2022)

Osnova: EN ISO 7278-2:2022

ICS: 75.180.30

This document provides descriptions of the different types of pipe provers, otherwise known as displacement provers, currently in use. These include sphere (ball) provers and piston provers operating in unidirectional and bidirectional forms. It applies to provers operated in conventional, reduced volume, and small volume modes.

This document gives guidelines for:

- the design of pipe provers of each type;
- the calibration methods;
- the installation and use of pipe provers of each type;
- the interaction between pipe provers and different types of flowmeters;
- the calculations used to derive the volumes of liquid measured (see Annex A);
- the expected acceptance criteria for fiscal and custody transfer applications, given as guidance for both the calibration of pipe provers and when proving flowmeters (see Annex C).

This document is applicable to the use of pipe provers for crude oils and light hydrocarbon products which are liquid at ambient conditions. The principles apply across applications for a wider range of liquids, including water. The principles also apply for low vapour pressure, chilled and cryogenic products, however use with these products can require additional guidance.

SIST/TC NES Nevarne snovi

SIST EN 17637:2023

2023-02 (po) (en;fr;de) 28 str. (G)

Gradbeni proizvodi - Ocenjevanje sproščanja nevarnih snovi - Ocenjevanje doze emitiranega gama sevanja

Construction products: Assessment of release of dangerous substances - Dose assessment of emitted gamma radiation

Osnova: EN 17637:2022

ICS: 13.280, 13.020.99, 91.100.01

This document specifies a methodology to determine indoor gamma dose from building materials and to help classify such a product as required in the Construction Products Regulation (EU 305/2011). With this methodology, the relation between the actual release of radiation and the dose to which inhabitants of a building are exposed can be assessed. The method takes into account also the Basic Safety Standards Directive (2013/59/EURATOM).

SIST/TC OGS Ogrevanje, hlajenje in prezračevanje stavb

SIST EN 12098-1:2023

SIST EN 12098-1:2018

SIST EN 12098-5:2018

2023-02 (po) (en;fr;de) 35 str. (H)

Energijske lastnosti stavb - Naprave za regulacijo sistemov za ogrevanje - 1. del: Naprave za regulacijo toplovodnih sistemov za ogrevanje - Moduli M3-5, 6, 7, 8

Energy Performance of Buildings - Controls for heating systems - Part 1: Control equipment for hot water heating systems - Modules M3-5, 6, 7, 8

Osnova: EN 12098-1:2022

ICS: 97.120, 91.140.10

This European Standard applies to electronic control equipment for heating systems with water as the heating medium and a supply water temperature up to 120 °C.

This control equipment controls the distribution and/or the generation of heat in relation to the outside temperature and time and other reference variables.

This standard covers also controllers that contain an integrated optimum start or an optimum start-stop control function.

Safety requirements on heating systems remain unaffected by this standard.

The dynamic behaviour of the valves and actuators are not covered in this standard.

A multi-distribution and/or multi-generation system needs a coordinated solution to prevent undesired interaction and is not part of this standard.

Table 1 shows the relative position of this standard within the set of EPB standards in the context of the modular structure as set out in EN ISO 52000-1.

NOTE 1 In CEN ISO/TR 52000-2 the same table can be found, with, for each module, the numbers of the relevant EPB standards and accompanying technical reports that are published or in preparation.

NOTE 2 The modules represent EPB standards, although one EPB standard may cover more than one module and one module may be covered by more than one EPB standard, for instance a simplified and a detailed method respectively.

SIST EN 12098-3:2023

SIST EN 12098-3:2018

SIST EN 12098-5:2018

2023-02 (po) (en;fr;de) 34 str. (H)

Energijske lastnosti stavb - Naprave za regulacijo sistemov za ogrevanje - 3. del: Naprave za regulacijo električnih sistemov za ogrevanje - Moduli M3-5, 6, 7, 8

Energy Performance of Buildings - Controls for heating systems - Part 3: Control equipment for electrical heating systems - Modules M3-5,6,7,8

Osnova: EN 12098-3:2022

ICS: 97.120, 97.100.10

This European Standard applies to electronic control equipment for heating systems with direct electrical emission, which have an integrated outside compensated function and or optimum start/stop function.

This control equipment controls the distribution and/or the generation of heat in relation to the outside temperature and time and other reference variables.

This European Standard also covers controllers that contain an integrated optimum start or an optimum start-stop control function. The controller modulates heating or control modes of electronic individual zone or emitter control equipment.

Safety requirements on heating systems remain unaffected by this standard. The dynamic behaviour of the local thermostats, sensors, or actuators is not covered in this standard.

A multi-distribution and/or multi-generation system needs a coordinated solution to prevent undesired interaction and is not part of this standard.

Table 1 shows the relative position of this standard within the set of EPB standards in the context of the modular structure as set out in EN ISO 52000-1.

NOTE 1 In CEN ISO/TR 52000-2 the same table can be found, with, for each module, the numbers of the relevant EPB standards and accompanying technical reports that are published or in preparation.

NOTE 2 The modules represent EPB standards, although one EPB standard may cover more than one module and one module may be covered by more than one EPB standard, for instance a simplified and a detailed method respectively.

SIST-TP CEN/TR 12098-6:2023

SIST-TP CEN/TR 12098-6:2018

SIST-TP CEN/TR 12098-8:2018

2023-02 (po) (en;fr;de) 20 str. (E)

Energijske lastnosti stavb - Naprave za regulacijo sistemov za ogrevanje - 6. del: Razlaga in utemeljitev TR EN 12098-1:2022 - Moduli M3-5, 6, 7, 8

Energy performance of buildings - Controls for heating systems - Part 6: Accompanying TR EN 12098-1:2022 - Modules M3-5,6,7,8

Osnova: CEN/TR 12098-6:2022

ICS: 97.120, 91.140.10

This document refers to FprEN 12098-1:2022, Energy performance of buildings - Controls for heating systems - Part 1: Control equipment for hot water heating systems - Modules M3-5, 6, 7, 8.

It contains information to support the correct understanding, use and national adaption of FprEN 12098-1:2022.

This document does not contain any normative provisions.

SIST-TP CEN/TR 12098-7:2023

SIST-TP CEN/TR 12098-7:2018

SIST-TP CEN/TR 12098-8:2018

2023-02 (po) (en;fr;de) 14 str. (D)

Energijske lastnosti stavb - Naprave za regulacijo sistemov za ogrevanje - 7. del: Razlaga in utemeljitev TR EN 12098-3:2022 - Moduli M3-5, 6, 7, 8

Energy performance of buildings - Controls for heating systems - Part 7: Accompanying TR EN 12098-3:2022 - Modules M3-5,6,7,8

Osnova: CEN/TR 12098-7:2022

ICS: 97.120, 91.140.10

This document refers to FprEN 12098-3:2022, Energy performance of buildings - Controls for heating systems - Part 3: Control equipment for electrical heating systems - Modules M3-5,6,7,8.

It contains information to support the correct understanding, use and national adaption of FprEN 12098-3:2022.

This document does not contain any normative provisions.

SIST/TC PCV Polimerne cevi, fitingi in ventili**SIST-TS CEN/TS 17152-3:2023****2023-02 (po) (en;fr;de) 18 str. (E)**

Cevni sistemi iz polimernih materialov, ki delujejo po težnostnem principu in so položeni v zemljo, za transport in shranjevanje vode, ki ni namenjena pitju - Zaboji za sisteme infiltriranja, reduciranja in hrambe - 3. del: Shema ugotavljanja skladnosti

Plastics piping systems for non-pressure underground conveyance and storage of non-potable water - Boxes used for infiltration, attenuation and storage systems - Part 3: Conformity assessment scheme

Osnova: CEN/TS 17152-3:2022

ICS: 23.040.03

This document gives guidance for requirements for the AoC of materials, compounds, formulations, products, and assemblies in accordance with the applicable part(s) of EN 17152 intended to be included in the manufacturer's quality plan as part of the quality management system and for the establishment of certification procedures.

NOTE Annex B contains a summary of tests for TT and surveillance monitoring.

In conjunction with EN 17152-1 (see Foreword) this document is applicable to Boxes used for infiltration, attenuation and storage systems.

SIST/TC PIP Pigmenti in polnila**SIST EN ISO 18314-3:2023**

SIST EN ISO 18314-3:2018

2023-02 (po) (en;fr;de) 13 str. (D)

Analizna kolorimetrija - 3. del: Posebni indeksi (ISO 18314-3:2022)

Analytical colorimetry - Part 3: Special indices (ISO 18314-3:2022)

Osnova: EN ISO 18314-3:2022

ICS: 17.180.20, 87.060.10

This document specifies different methods of calculating special indices, which are generally used to describe lightness respectively jetness of samples including chroma or hue within one colour-coordinate.

This document is applicable to tristimulus values and chromaticity coordinates calculated using colour-matching functions of the standard colorimetric system of the CIE 1931 (2°) or CIE 1964 (10°). It is used for the specification of colour stimuli perceived as belonging to a reflecting or transmitting object where a one-dimensional value is required.

SIST/TC PLN Plinske naprave za dom

SIST EN 12067-2:2023

SIST EN 12067-2:2004

2023-02 (po) (en;fr;de) 70 str. (K)

Varnostne in nadzorne naprave za gorilnike in aparate na plin ali tekoča goriva - Regulacijske in nadzorne funkcije v elektronskih sistemih - 2. del: Regulacija in nadzor razmerja goriva in zraka za elektronski tip

Safety and control devices for burners and appliances burning gaseous or liquid fuels - Control functions in electronic systems - Part 2: Fuel/air ratio control/supervision of the electronic types

Osnova: EN 12067-2:2022

ICS: 27.060.20, 23.060.40

This European Standard specifies the safety, construction and performance requirements for electronic fuel/air ratio control system (ERC), electronic fuel/air ratio supervision system (ERS) and electronic fuel/air ratio trim system (ERT) intended for use with burners and appliances burning gaseous or liquid fuels. It also describes the test procedures for evaluating these requirements and specifies information necessary for installation and use.

This European Standard is applicable to

- closed loop fuel/air ratio control systems, see 3.101;
- fuel/air ratio supervision systems, see 3.102;
- closed loop fuel/air ratio trim systems, see 3.103;

and does not differentiate into classification by heat input.

NOTE 1 European Standards for burners, appliances or processes which use ERC, ERS or ERT can override the requirements of this standard.

NOTE 2 Provisions for production control are not part of this European Standard.

SIST EN 15502-1:2022/AC:2023

2023-02 (po) (en;fr;de) 3 str. (AC)

Plinski kotli za ogrevanje - 1. del: Splošne zahteve in preskusi - Popravek AC

Gas-fired heating boilers - Part 1: General requirements and tests

Osnova: EN 15502-1:2021/AC:2022

ICS: 97.100.20, 91.140.10, 27.060.30

Popravek k standardu SIST EN 15502-1:2022.

This European Standard specifies the common requirements and test methods, as well as the classification, marking and energy labelling of gas-fired central heating boilers that are fitted with atmospheric burners, fan assisted atmospheric burners or fully premixed burners, and are hereafter referred to as "boilers".

This European Standard is to be used in conjunction with the specific Parts 2 (Part 2-1 and following ones).

This European Standard applies to boilers of types B and C.

NOTE For further background information on appliance types see CEN/TR 1749:2014 [1].

- a) that use one or more combustible gases of the three gas families at the pressures stated in EN 437;
- b) where the temperature of the water is below or above 105 °C during normal operation;
- c) where the maximum operating pressure in the water circuit does not exceed 6 bar;
- d) which can give rise to condensation under certain circumstances;
- e) which are declared in the instructions for installation to be either a "condensing" boiler or a "low temperature boiler" or a "standard boiler" or an "other boiler". If no declaration is given the boiler is to be considered both a "standard boiler" and an "other boiler";

NOTE The Ecodesign Directive defines "other boilers", "low temperature boilers" and "condensing boilers". The Boiler Efficiency Directive defines "standard boilers", "low temperature boilers" and "condensing boilers". Depending on the legislation applied, a boiler can be both "a standard boiler" and an "other boiler".

- f) which are intended to be installed inside a building or in a partially protected place;

- g) which are intended to produce also hot water either by the instantaneous or storage principle as a single unit.

This European Standard applies to boilers designed for sealed water systems or for open water systems.

NOTE This general standard and the specific standards (see Part 2) provide requirements for boilers with known constructions. For boilers with any alternative constructions, which might not fully be covered by this standard or a specific standard, the risk associated with this alternative construction will need to be assessed.

An example of an assessment methodology, based upon risk assessment, is given in Clause 11.

This European Standard is not intended to cover appliances intended for connection to gas grids where the quality of the distributed gas is likely to vary to a large extent over the lifetime of the appliance (see Annex EE).

This European Standard is not intended to cover appliances designed and constructed to burn gas containing toxic components.

SIST EN 1643:2023

SIST EN 1643:2014

2023-02 (po) (en;fr;de) 44 str. (I)

Varnostne in nadzorne naprave za gorilnike in aparate na plin in/ali tekoča goriva - Sistemi za preskušanje avtomatskih zapornih ventilov

Safety and control devices for burners and appliances burning gaseous and/or liquid fuels - Valve proving systems for automatic shut-off valves

Osnova: EN 1643:2022

ICS: 27.060.01, 23.060.40

This European Standard specifies safety, constructional and performance requirements of valve-proving systems, hereafter referred to as VPS, intended for use with gas burners and gas-burning appliances. It also describes the test procedures for checking compliance with these requirements and provides information necessary for the purchaser and user.

This European Standard applies to all types of VPS which are used for the automatic detection of leakage in a gas burner section having at least two valves designed in accordance with EN 161 and which give a signal if the leakage of one of the valves exceeds the detection limit.

This European Standard applies to VPSs with a maximum working pressure up to and including 500 kPa for use in systems using fuel gases of the 1st, 2nd or 3rd families.

This European Standard does not apply to VPSs for use in explosive atmospheres.

This European Standard is applicable to AC and DC supplied VPS (for VPS supplied by stand-alone battery system, battery systems for mobile applications or systems which are intended to be connected to DC supply networks VPS see Annex I).

Provisions for production control are not part of this European Standard.

SIST EN 298:2023

SIST EN 298:2012

2023-02 (po) (en;fr;de) 69 str. (K)

Naprave za avtomatski nadzor gorilnikov in aparatov na plin ali tekoča goriva

Automatic burner control systems for burners and appliances burning gaseous or liquid fuels

Osnova: EN 298:2022

ICS: 27.060.20, 27.060.10

This European Standard specifies the safety, construction and performance requirements for automatic burner control systems, programming units and flame detector devices, intended for similar usages, with gas and oil burners and gas and oil burning appliances, with or without fans. These devices are hereafter referred to generally as "automatic burner control systems".

This European Standard is applicable to automatic burner control systems that include additional functions.

This European Standard does not cover automatic burner control systems utilizing thermo-electric flame supervision devices.

NOTE 1 European Standards for burners, appliances or processes which use automatic burner control systems, programming units or flame detectors can override the requirements of this standard.

NOTE 2 Provisions for production control are not part of this European Standard.

SIST EN 303-5:2021+A1:2023

SIST EN 303-5:2021

SIST EN 303-5:2021

2023-02 (po) (en;fr;de) 103 str. (N)

Kotli za gretje - 5. del: Kotli na trdna goriva z ročnim in avtomatskim polnjenjem z nazivno močjo do 500 kW - Terminologija, zahteve, preskušanje in označevanje (vključuje dopolnilo A1)

Heating boilers - Part 5: Heating boilers for solid fuels, manually and automatically stoked, nominal heat output of up to 500 kW - Terminology, requirements, testing and marking

Osnova: EN 303-5:2021+A1:2022

ICS: 97.100.30, 91.140.10

1.1 General

This European Standard applies to heating boilers including safety devices up to a nominal heat output of 500 kW which are designed for the burning of solid fuels only and are operated according to the instructions of the boiler manufacturer.

This European Standard deals with significant hazards, hazardous situations and events relevant to heating boilers used as intended and under the conditions foreseen by the manufacturer (see Clause 4).

The boilers may operate under natural draught or forced draught. The stoking may work manually or automatically.

The boilers may operate under room sealed conditions in case of supervised under pressure in the combustion chamber.

The boilers may operate in condensing condition.

NOTE This European Standard deals with boilers which are both within and outside of the scope of the Machinery Directive 2006/42/EC.

This European Standard contains requirements and test methods for safety, combustion quality, operating characteristics, marking and maintenance of heating boilers and secondary emission reduction appliances and efficiency improvement appliances. It also covers all external equipment that influences the safety systems (e.g. back burning safety device, integral fuel hopper).

This European Standard covers only boilers that include burners as a unit. The standard applies to the combination of a boiler body with a solid fuel burner according to EN 15270 as a unit only when the whole unit is tested in accordance with this European Standard.

Heating boilers in accordance with this European Standard are designed for central heating installations where the heat carrier is water and the maximum allowable temperature is 110 °C, and which can operate at a maximum allowable operating pressure of 6 bars. For heating boilers with a built-in or attached water heater (storage or continuous flow heater), this European Standard only applies to those parts of the water heater which are necessarily subject to the operating conditions of the heating boiler (heating part).

This European Standard does not apply to:

heating boilers and other heating appliances which are also designed for the direct heating of the place of installation;

cooking appliances;

the design and construction of external fuel storage and transportation devices prior to the safety devices of the boiler;

room sealed applications above a nominal heat output > 70 kW or operated with positive pressure in the combustion chamber or operated under natural draught;

This European Standard specifies the necessary terminology for solid fuel heating boilers, the control and safety related requirements, the design requirements, the technical heating requirements (taking into account the environmental requirements) and testing, as well as the marking requirements.

This European Standard is not applicable to heating boilers which are tested before the date of its publication as an EN (European Standard).

1.2 Fuels

These boilers may burn either fossil fuels, biogenic fuels or other fuels such as peat, as specified for their use by the boiler manufacturer, in accordance with the requirements of this European Standard.

Solid fuels included in this European Standard are categorised as follows.

1.2.1 Biogenic fuels

Biomass in a natural state, in the form of:

Adaptation to new fuels standards and consideration of new fuels standards in preparation.

A log wood with moisture content $w \leq 25$ %, according to EN 14961-5;

B1 chipped wood (wood chipped by machine, usually up to a maximum length of 15 cm) with moisture content from w 15 % to w 35 %, according to EN 14961-4;
 B2 chipped wood as under B1, except with moisture content w > 35 %;
 C1 compressed wood (e.g. pellets without additives, made of wood and/or bark particles; natural binding agents such as molasses, vegetable paraffins and starch are permitted), pellets according to EN 14961-2;
 (...)

SIST/TC POH Pohištvo

SIST EN 1335-1:2020+A1:2023

SIST EN 1335-1:2020
 SIST EN 1335-1:2020/kFprA1:2022
 SIST EN 1335-1:2020

2023-02 (po) (en;fr;de) 32 str. (G)

Pisarniško pohištvo - Pisarniški delovni stoli - 1. del: Mere - Ugotavljanje mer (vključuje dopolnilo A1)
Office furniture - Office work chair - Part 1: Dimensions - Determination of dimensions

Osnova: EN 1335-1:2020+A1:2022

ICS: 97.140

This part of prEN 1335:2017 applies to office work chairs. It specifies dimensions of three types of chairs as well as test methods for their determination.

Annex A (informative) contains a Rationale for office chair features and comparison between current published dimensions with European anthropometric data.

SIST EN 17737:2023

2023-02 (po) (en;fr;de) 9 str. (C)

Pohištveno okovje - Preskusne metode in vrednotenje odpornosti okovja proti koroziji
Hardware for furniture - Test and evaluation methods for the corrosion resistance of furniture fittings

Osnova: EN 17737:2022

ICS: 97.140

This European standard specifies test methods for the determination of corrosion resistance of furniture fittings as ready-to-use assemblies or their individual parts.

It applies to the optical assessment of surface changes for the following materials:

- Metals and their alloys
- Metal coatings with anodic or cathodic properties
- Conversion coatings
- Anodic oxide layers
- Organic coatings on metallic materials

This document does not include any requirements. These should be in the product specifications.

SIST EN 927-2:2023

SIST EN 927-2:2014

2023-02 (po) (en;fr;de) 15 str. (D)

Barve in laki - Premazi in premazni sistemi za zaščito lesa za zunanjo uporabo - 2. del: Specifikacija lastnosti

Paints and varnishes - Coating materials and coating systems for exterior wood - Part 2: Performance specification

Osnova: EN 927-2:2022

ICS: 71.100.50, 87.040

This part of EN 927 addresses performance criteria for coating systems on exterior wood. Performance requirements are specified according to three categories of end use (defined in EN 927 1) in terms of two mandatory tests namely natural weathering performance testing carried out in accordance with EN 927-3, and water permeability in accordance with EN 927-5. Additional optional tests (non-mandatory) are tabled which may be used by suppliers, or for specification purposes, to provide additional information, to a standardized format, on aspects of performance relevant to specific situations. The

majority of test methods are drawn from EN 927 (all parts), but where relevant additional tests from other national and international sources are used.

Requirements for claiming conformity with FprEN 927-2 are defined and provide flexibility for different situations and can also provide a basis for certification.

SIST/TC POZ Požarna varnost

SIST EN 15269-3:2023

SIST EN 15269-3:2012

2023-02

(po)

(en;fr;de)

198 str. (R)

Razširjena uporaba rezultatov preskusov požarne odpornosti in/ali dimotesnosti za vrata, zaporne elemente in okna, ki se odpirajo, vključno z njihovim okovjem - 3. del: Požarna odpornost lesenih vrat in oken s tečaji

Extended application of test results for fire resistance and/or smoke control for doorsets, shutter and openable window assemblies, including their elements of building hardware - Part 3: Fire resistance of hinged and pivoted timber doorsets and openable timber framed windows

Osnova: EN 15269-3:2022

ICS: 91.060.50, 13.220.50

This European Standard covers hinged or pivoted doorsets with timber based leaves, timber framed glazed doors and openable timber framed windows. It prescribes the methodology for extending the application of test results obtained from fire resistance test(s) conducted in accordance with EN 1634-1.

Subject to the completion of the appropriate test or tests, the extended application may cover all or some of the following examples:

- integrity (E), integrity/radiation (EW) or integrity/insulation (EI1 or EI2) classification;
- glazed elements including vision panels and framed glazed doorsets,
- louvres and/or vents;
- side, transom or overpanels;
- items of building hardware;
- decorative finishes;
- intumescent, smoke, draught or acoustic seals;
- alternative supporting construction(s).

The effect on the Classification 'C' for the doorsets following an extended application process is not addressed in this European Standard.

SIST/TC STV Steklo, svetloba in razsvetljava v gradbeništvu

SIST EN 17635:2023

2023-02

(po)

(en;fr;de)

14 str. (D)

Steklo v gradbeništvu - Lastnosti loma - Zahteve in metode ocenjevanja

Glass in buildig - Shatter properties - Requirements and assessment methods

Osnova: EN 17635:2022

ICS: 81.040.20

This document gives test methods to assess the shatter properties of different types of monolithic flat glass for use in building and construction works, for which a specific fragmentation pattern is required when tested under defined conditions.

NOTE Thermally treated monolithic glass are products for which such requirement exists.

SIST/TC TOP Toplota

SIST EN ISO 29466:2023

SIST EN 823:2013

2023-02 (po) (en;fr;de) 16 str. (D)

Toplotnoizolacijski proizvodi za uporabo v gradbeništvo - Ugotavljanje debeline (ISO 29466:2022)
Thermal insulating products for building applications - Determination of thickness (ISO 29466:2022)

Osnova: EN ISO 29466:2022

ICS: 91.100.60

This European Standard specifies the equipment and procedures for determining the thickness of full-size products. It is applicable to thermal insulating products.

SIST EN ISO 29469:2023

SIST EN 826:2013

2023-02 (po) (en;fr;de) 18 str. (E)

Toplotnoizolacijski proizvodi za uporabo v gradbeništvo - Ugotavljanje obnašanja pri tlačni obremenitvi (ISO 29469:2022)

Thermal insulating products for building applications - Determination of compression behaviour (ISO 29469:2022)

Osnova: EN ISO 29469:2022

ICS: 91.100.60

This European Standard specifies the equipment and procedures to be used when determining the compression behaviour of test specimens. It is applicable to thermal insulating products and can be used to determine the compressive stress in compressive creep tests and for applications in which insulation products are only exposed to short-term loads. The method can be used for quality control purposes. It may also be employed to obtain reference values from which design values can be calculated using safety factors.

SIST EN ISO 29766:2023

SIST EN 1608:2013

2023-02 (po) (en;fr;de) 12 str. (C)

Toplotnoizolacijski proizvodi za uporabo v gradbeništvo - Ugotavljanje natezne trdnosti v smeri dolžine (ISO 29766:2022)

Thermal insulating products for building applications - Determination of tensile strength parallel to faces (ISO 29766:2022)

Osnova: EN ISO 29766:2022

ICS: 91.100.60

This European Standard specifies the equipment and procedures for determining the tensile strength of a product parallel to its faces. It is applicable to thermal insulating products.

This European Standard can be used to determine whether the product has sufficient strength to withstand stresses during transportation and application.

SIST/TC VAZ Varovanje zdravja

SIST EN ISO 10993-2:2023

SIST EN ISO 10993-2:2006

2023-02 (po) (en) 23 str. (F)

Biološko ovrednotenje medicinskih pripomočkov - 2. del: Zahteve za varstvo živali (ISO 10993-2:2022)
Biological evaluation of medical devices - Part 2: Animal welfare requirements (ISO 10993-2:2022)

Osnova: EN ISO 10993-2:2022

ICS: 11.100.20

This document specifies the minimum requirements to be satisfied to ensure and demonstrate that proper provision has been made for the welfare of animals used in animal tests to assess the biocompatibility of materials used in medical devices. It is aimed at those who commission, design and perform tests or evaluate data from animal tests undertaken to assess the biocompatibility of materials intended for use in medical devices, or that of the medical devices themselves.

This document makes recommendations and offers guidance intended to facilitate future further reductions in the overall number of animals used, refinement of test methods to reduce or eliminate pain or distress in animals, and the replacement of animal tests by other scientifically valid means not requiring animal tests.

This document applies to tests performed on living vertebrate animals, other than man, to establish the biocompatibility of materials or medical devices.

This document does not apply to tests performed on invertebrate animals and other lower forms; nor (other than with respect to provisions relating to species, source, health status, and care and accommodation) does it apply to testing performed on isolated tissues and organs taken from vertebrate animals that have been euthanized.

SIST EN ISO 11140-6:2023

SIST EN 867-5:2002

2023-02 (po) (en;fr;de) 48 str. (I)

Sterilizacija izdelkov za zdravstveno oskrbo - Kemijski indikatorji - 6. del: Indikatorji tipa 2 in razvoj izločevalnih načrtov za preskušanje delovanja majhnih parnih sterilizatorjev (ISO 11140-6:2022)
Sterilization of health care products - Chemical indicators - Part 6: Type 2 indicators and process challenge devices for use in performance testing of small steam sterilizers (ISO 11140-6:2022)

Osnova: EN ISO 11140-6:2022

ICS: 11.080.01

This International Standard specifies the performance requirements and test methods for chemical indicators and hollow devices and porous devices within which they are intended to function, to be used for testing the steam penetration performance of type B cycles of small steam sterilizers; small steam sterilizers are defined in EN 13060. The hollow and porous devices described in this standard do not substantiate their suitability as surrogate devices for lumened, hollow and porous medical devices used in health care facilities.

Chemical indicators used with a porous device specified in this standard are designed to demonstrate the adequacy of steam penetration into a porous device in small steam sterilizers (see EN 13060).

The relevant sections of this International Standard covering porous loads specify the requirements for – a reference porous device to be used in the small load test for porous loads in small steam sterilizers and as a reference device by which alternative porous devices can be shown to be equivalent in performance according to this standard; ie, a textile test pack in which steam penetration is judged by thermometric means;

– an alternative porous device equivalent in performance to the reference porous device; ie, an alternative porous device, usually commercially manufactured, of any design.

Chemical indicator systems used with a hollow load device specified in this standard are designed to demonstrate the adequacy of steam penetration into a hollow device in small steam sterilizers (see EN 13060).

The relevant sections of this International Standard covering hollow loads specify the requirements for – a reference hollow device used as a reference device in this standard; ie, a lumened device with attached capsule in which steam penetration is judged by inactivation or survival of a specified biological indicator;

– an alternative hollow device employing the same specific test load as defined for the reference hollow device and an indicator system designed specifically for use in the reference hollow test load; ie, a lumened device with an attached capsule in which steam penetration is judged by visual examination of an indicator system;

– an alternative hollow device equivalent in performance to the reference hollow device; ie, an alternative hollow device, usually commercially manufactured, of any design.

SIST EN ISO 80369-3:2016/A1:2023

2023-02 (po) (en;fr;de) 12 str. (C)

Priključki z majhnim premerom za tekočine in pline za uporabo v zdravstvu - 3. del: Priključki za enteralno uporabo - Dopolnilo A1 (ISO 80369-3:2016/Amd 1:2019)

Small-bore connectors for liquids and gases in healthcare applications - Part 3: Connectors for enteral applications - Amendment 1 (ISO 80369-3:2016/Amd 1:2019)

Osnova: EN ISO 80369-3:2016/A1:2022

ICS: 11.040.25

Amandma A1:2023 je dodatek k standardu SIST EN ISO 80369-3:2016.

This part of ISO 80369 specifies the interface dimensions and requirements for connectors intended to be used on ENTERAL DEVICES, ENTERAL syringes and related ACCESSORIES. This part of ISO 80369 does not specify requirements for CONNECTORS which are used for:

- Suction only applications
- Oral only applications
- Inflation of balloon retention devices
- Accessing ENTERAL feeding reservoirs

This part of ISO 80369 does not specify requirements for the MEDICAL DEVICES or ACCESSORIES that use these CONNECTORS. Such requirements are given in particular International Standards for specific MEDICAL DEVICES or ACCESSORIES.

NOTE MANUFACTURERS are encouraged to incorporate the SMALL-BORE CONNECTORS specified in this part of ISO 80369 into MEDICAL DEVICES, medical systems or ACCESSORIES, even if currently not required by the relevant particular MEDICAL DEVICE standards. It is expected that when the relevant particular MEDICAL DEVICE standards are revised, requirements for SMALL-BORE CONNECTORS, as specified in this part of ISO 80369, will be included.

SIST EN ISO 8872:2023

SIST EN ISO 8872:2003

2023-02 (po) (en;fr;de) 21 str. (F)

Aluminijeve in aluminijeve/plastične zaporke za infuzijske in injekcijske steklenice - Splošne zahteve in preskusne metode (ISO 8872:2022)

Aluminium caps and aluminium/plastic caps for infusion bottles and injection vials - General requirements and test methods (ISO 8872:2022)

Osnova: EN ISO 8872:2022

ICS: 77.150.10, 11.040.20

This document specifies general requirements and test methods for aluminium caps and aluminium/plastic caps intended for use on infusion bottles and/or injection vials.

SIST-TS CEN ISO/TS 5798:2023

2023-02 (po) (en;fr;de) 53 str. (J)

Diagnostični preskusni sistemi in vitro - Zahteve in priporočila za odkrivanje koronavirusa (SARS-CoV-2) z metodami amplifikacije nukleinskih kislin (ISO/TS 5798:2022)

In vitro diagnostic test systems - Requirements and recommendations for detection of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) by nucleic acid amplification methods (ISO/TS 5798:2022)

Osnova: CEN ISO/TS 5798:2022

ICS: 11.100.10

This document provides requirements and recommendations for the design, development, verification, validation and implementation of analytical tests for detecting the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) using nucleic acid amplification. It addresses pre-examination, examination and post-examination process steps for human specimens.

This document is applicable to medical laboratories. It is also intended to be used by in vitro diagnostic developers and manufacturers, as well as by institutions and organizations supporting SARS-CoV-2 research and diagnostics.

This document does not apply to environmental samples.

SIST/TC VLA Vlaga

SIST EN 17686:2023

2023-02 (po) (en;fr;de) 16 str. (D)

Hidroizolacijski trakovi - Določanje odpornosti proti vetrni obremenitvi strešnega sistema z vezanimi vodoodpornimi sistemi

Flexible sheets for waterproofing - Determination of the resistance to wind load of roof build-up system with bonded waterproofing systems

Osnova: EN 17686:2022

ICS: 91.060.20, 91.100.50

This European Standard specifies the test method to determine the resistance to wind load of the roof build-up system with the waterproofing system bonded to the substrate.

SIST/TC VSN Varnost strojev in naprav

SIST-TP CEN ISO/TR 9241-514:2023

2023-02 (po) (en;fr;de) 16 str. (D)

Ergonomija medsebojnega vpliva človek-sistem - 514. del: Navodila za uporabo antropometričnih podatkov v seriji ISO 9241-500 (ISO/TR 9241-514:2020)

Ergonomics of human-system interaction - Part 514: Guidance for the application of anthropometric data in the ISO 9241-500 series (ISO/TR 9241-514:2020)

Osnova: CEN ISO/TR 9241-514:2022

ICS: 13.180

This document is intended to provide guidance in the use of anthropometric data within the ISO 9241-500 series.

SIST/TC VZD Vzdrževanje in obvladovanje premoženja

SIST EN 17666:2023

2023-02 (po) (en;fr;de) 46 str. (I)

Vzdrževanje - Vzdrževalni inženiring - Zahteve

Maintenance - Maintenance engineering - Requirements

Osnova: EN 17666:2022

ICS: 03.080.10

This document describes the generic principles, criteria and contents of maintenance engineering. This includes guidance on methods and techniques which are used to sustain the required functions of items at any stage of their life cycle.

This document gives guidance on how maintenance engineering can contribute to assure the required integrity, safety, reliability and maintainability to achieve a sustainable balance between performance, risk and costs.

This document refers to standards that further describe detailed methods and techniques.

SS EIT Strokovni svet SIST za področja elektrotehnike, informacijske tehnologije in telekomunikacij

SIST EN IEC 60974-1:2023

SIST EN IEC 60974-1:2018
SIST EN IEC 60974-1:2018/A1:2020

2023-02 (po) (en) **158 str. (P)**
Oprema za obločno varjenje - 1. del: Viri varilnega toka (IEC 60974-1:2021)
Arc welding equipment - Part 1: Welding power sources (IEC 60974-1:2021)
Osnova: EN IEC 60974-1:2022
ICS: 25.160.30

This part of IEC 60974 is applicable to power sources for arc welding and allied processes designed for INDUSTRIAL AND PROFESSIONAL USE, and supplied by a voltage not exceeding 1 000 V, BATTERY supplied or driven by mechanical means.

This document specifies safety and performance requirements of WELDING POWER SOURCES and PLASMA CUTTING SYSTEMS.

This document is not applicable to limited duty arc welding and cutting power sources which are designed mainly for use by laymen and designed in accordance with IEC 60974-6.

This document includes requirements for battery-powered WELDING POWER SOURCES and BATTERY packs, which are given in Annex O.

This document is not applicable to testing of power sources during periodic maintenance or after repair.

NOTE 1 Typical allied processes are electric arc cutting and arc spraying.

NOTE 2 AC systems having a nominal voltage between 100 V and 1 000 V are given in Table 1 of IEC 60038:2009.

NOTE 3 This document does not include electromagnetic compatibility (EMC) requirements.

SIST EN IEC 60974-1:2023/A11:2023

2023-02 (po) (en) **9 str. (C)**
Oprema za obločno varjenje - 1. del: Viri varilnega toka - Dopolnilo A11
Arc welding equipment - Part 1: Welding power sources
Osnova: EN IEC 60974-1:2022/A11:2022
ICS: 25.160.30

Amandma A11:2023 je dodatek k standardu SIST EN IEC 60974-1:2023.

This part of IEC 60974 is applicable to power sources for arc welding and allied processes designed for INDUSTRIAL AND PROFESSIONAL USE, and supplied by a voltage not exceeding 1 000 V, BATTERY supplied or driven by mechanical means.

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NOTE 3 This document does not include electromagnetic compatibility (EMC) requirements.

SIST EN IEC 61869-99:2023

2023-02 (po) (en) **56 str. (J)**
Instrumentni transformatorji - 99. del: Slovar (IEC 61869-99:2022)
Instrument transformers - Part 99: Glossary (IEC 61869-99:2022)
Osnova: EN IEC 61869-99:2022
ICS: 17.220.20

IEC 61869-99:2022 contains the glossary of specific terminology and definitions used in the field of instrument transformers within the various parts of the series. Unless it is otherwise specified, in this document all periodic electrical quantities are understood to be RMS values.

SIST EN IEC 62372:2023

2023-02 (po) (en) 21 str. (F)

Jedrska merilna oprema - Scintilatorji v ohišju - Metode preskušanja svetlobnega toka in intrinzične ločljivosti (IEC 62372:2021)

Nuclear instrumentation - Housed scintillators - Test methods of light output and intrinsic resolution (IEC 62372:2021)

Osnova: EN IEC 62372:2022

ICS: 27.120.01

This document is applicable to housed scintillators for registration and spectrometry of alpha-, beta-, gamma-, X-ray and neutron radiation. Their basic parameters such as a light output and intrinsic resolution are established. The document does not apply to gas or liquid scintillators and scintillators for counting or current measurement.

SIST EN IEC 62976:2019/A1:2023

2023-02 (po) (en) 6 str. (B)

Oprema za industrijsko neporušitveno preskušanje - Elektronski linearni pospeševalnik - Dopolnilo A1 (IEC 62976:2017/AMD1:2021)

Industrial non-destructive testing equipment - Electron linear accelerator (IEC 62976:2017/AMD1:2021)

Osnova: EN IEC 62976:2019/A1:2022

ICS: 19.100, 27.120.01

Amandma A1:2023 je dodatek k standardu SIST EN IEC 62976:2019.

This document gives the rules of naming, technical requirements, test methods, inspection, marking, packaging, transportation, storage and accompanying documents for electron linear accelerator equipment for Non-Destructive Testing (NDT).

This document applies to NDT electron linear accelerator equipment in the X-ray energy range of 1 MeV to 15 MeV, including the accelerator equipment for radiographic film, computed radiography with imaging plates, real-time imaging, digital detector array and industrial computerized tomography.

SIST EN IEC 63203-402-1:2023

2023-02 (po) (en) 18 str. (E)

Nosljive elektronske naprave in tehnologije - 402-1. del: Merjenje zmogljivosti nosljivih izdelkov za fitnes - Preskusne metode senzorjev gibanja v rokavicah za merjenje premikov prstov (IEC 63203-402-1:2022)

Wearable electronic devices and technologies - Part 402-1: Performance measurement of fitness wearables - Test methods of glove-type motion sensors for measuring finger movements (IEC 63203-402-1:2022)

Osnova: EN IEC 63203-402-1:2022

ICS: 97.220.01, 31.080.99, 59.080.80

IEC 63203-402-1:2022 specifies test methods for wearable glove-type motion sensors to measure finger movements. The measurement methods include goniometric parameters related to the finger postures and flexion dynamics. Glove-type motion sensors are the type of gloves considered within the scope of this document for testing and measurement. This document describes direct and indirect measurement methods. In the direct measurement method, the angles of the joints of each finger are directly measured by a goniometer. The indirect method uses a measurement device such as a servomotor-based angle-measuring device. This document is applicable to angle measurement of all gloves with glove-type motion sensors without limitation of the device technology or size.

SIST EN IEC 63203-801-1:2023**2023-02 (po) (en) 16 str. (D)**

Nosljive elektronske naprave in tehnologije - 801-1. del: Pametno telesno omrežje (SmartBAN) - Izboljšana fizična plast z izjemno nizko porabo energije (IEC 63203-801-1:2022)

Wearable electronic devices and technologies - Part 801-1: Smart body area network (SmartBAN) - Enhanced ultra-low power physical layer (IEC 63203-801-1:2022)

Osnova: EN IEC 63203-801-1:2022

ICS: 31.080.99, 59.080.80, 35.110

This part of IEC 63203-801 specifies the ultra-low power physical layer (PHY) Smart BAN.

As the use of wearables and connected body sensor devices grows rapidly in the Internet of Things (IoT), Wireless Body Area Networks (BAN) facilitate the sharing of data in smart environments such as smart homes, smart life etc. In specific areas of digital healthcare, wireless connectivity between the edge computing device or hub coordinator and the sensing nodes requires a standardized communication interface and protocols.

The present document describes the Physical Layer (PHY) specifications:

- packet formats;
- modulation;
- forward error correction

SIST EN IEC 63203-801-2:2023**2023-02 (po) (en) 41 str. (I)**

Nosljive elektronske naprave in tehnologije - 801-2. del: Pametno telesno omrežje (SmartBAN) - Manj zahteven nadzor dostopa do medija (MAC) za SmartBAN (IEC 63203-801-2:2022)

Wearable electronic devices and technologies - Part 801-2: Smart body area network (SmartBAN) - Low complexity medium access control (MAC) for SmartBAN (IEC 63203-801-2:2022)

Osnova: EN IEC 63203-801-2:2022

ICS: 59.080.80, 31.080.99, 35.110

This part of IEC 63203-801 specifies low complexity Medium Access Control (MAC) for SmartBAN.

As the use of wearables and connected body sensor devices grows rapidly in the Internet of Things (IoT), Wireless Body Area Networks (BAN) facilitate the sharing of data in smart environments such as smart homes, smart life etc. In specific areas of digital healthcare, wireless connectivity between the edge computing device or hub coordinator and the sensing nodes requires a standardized communication interface and protocols.

The present document describes the MAC specifications:

- Channel Structure,
- MAC Frame Formats,
- MAC functions.

SIST EN IEC 60286-3:2023

SIST EN IEC 60286-3:2019

2023-02 (po) (en) 58 str. (J)

Pakiranje komponent za avtomatsko obdelavo - 3. del: Pakiranje komponent za površinsko montažo na neprekinjenih trakovih (IEC 60286-3:2022)

Packaging of components for automatic handling - Part 3: Packaging of surface mount components on continuous tapes (IEC 60286-3:2022)

Osnova: EN IEC 60286-3:2022

ICS: 55.060, 31.020

This part of IEC 60286 is applicable to the tape packaging of electronic components without leads or with lead stumps, intended to be connected to electronic circuits. It includes only those dimensions that are essential for the taping of components intended for the above-mentioned purposes.

This document also includes requirements related to the packaging of singulated die products including bare die and bumped die (flip chips).

SIST EN IEC 60404-3:2023

2023-02 (po) (en) 35 str. (H)

Magnetni materiali - 3. del: Metode merjenja magnetnih lastnosti električnih jeklenih trakov in pločevine z uporabo enolistnega preskuševalnika (IEC 60404-3:2022)

Magnetic materials - Part 3: Methods of measurement of the magnetic properties of electrical steel strip and sheet by means of a single sheet tester (IEC 60404-3:2022)

Osnova: EN IEC 60404-3:2022

ICS: 29.030, 17.220.20

IEC 60404-3:2022 is available as IEC 60404-3:2022 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition. IEC 60404-3:2022 is applicable to grain-oriented and non-oriented electrical steel strip and sheet for measurement of AC magnetic properties at power frequencies. The object of this document is to define the general principles and the technical details of the measurement of the magnetic properties of electrical steel strip and sheet by means of a single sheet tester (SST). This edition includes the following significant technical changes with respect to the previous edition:

- Annex A was revised. The method of determining the yokes' lamination resistance was added to Annex A;
- Annex B of the consolidated version of 2010 referred to calibration of the SST using the Epstein method. It was cancelled;
- Annex B (new), Annex C and Annex D were revised, they are for information only;
- Annex C was modified taking account of the new situation regarding P and R grades;
- Annex D was amended by addition of Clause D.4 on the numerical air flux compensation.

SIST EN IEC 62228-6:2023

2023-02 (po) (en) 52 str. (J)

Integrirana vezja - Vrednotenje elektromagnetne združljivosti (EMC) oddajnikov-sprejemnikov - 6. del: Oddajniki-sprejemniki PSI5 (IEC 62228-6:2022)

Integrated circuit - EMC Evaluation of transceivers - Part 6: PSI5 transceivers (IEC 62228-6:2022)

Osnova: EN IEC 62228-6:2022

ICS: 33.100.01, 31.200

This document specifies test and measurement methods for EMC evaluation of Peripheral Sensor Interface 5 (PSI5) transceiver integrated circuits (ICs) under network condition. It defines test configurations, test conditions, test signals, failure criteria, test procedures, test setups and test boards. It is applicable for PSI5 satellite ICs (e.g. sensors) and ICs with embedded PSI5 transceivers (e.g. PSI5 Electronic control unit IC). The document covers

- the emission of RF disturbances,
- the immunity against RF disturbances,
- the immunity against impulses and
- the immunity against electrostatic discharges (ESD).

SIST EN IEC 80000-6:2023

SIST EN 80000-6:2008
SIST IEC 80000-6:2014

2023-02 (po) (en) 36 str. (H)

Veličine in enote - 6. del: Elektromagnetizem (IEC 80000-6:2022)

Quantities and units - Part 6: Electromagnetism (IEC 80000-6:2022)

Osnova: EN IEC 80000-6:2022

ICS: 17.220.01, 01.060

IEC 80000-6:2022 gives names, symbols, and definitions for quantities and units of electromagnetism. Where appropriate, conversion factors are also given. International Standard IEC 80000-6 has been prepared by IEC technical committee 25: Quantities and units, and their letter symbols in close cooperation with ISO/TC 12, Quantities and units.

This standard is based on classical electromagnetism, i.e. mainly Maxwell's equations. No reference is made to quantum field theories.

IEC 80000-6:2022 cancels and replaces the first edition published in 2008. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- 1) With the new definitions in SI, some previously exact values for quantities now must be determined experimentally while other quantities are given as exact values;
- 2) Item 6-2.2, elementary charge added;
- 3) Item 6-11.4, induced voltage, added;
- 4) Index of entries added;
- 5) Editorial alignment to other parts of the IEC and ISO 80000 series.

SIST EN ISO 37101:2023

2023-02 (po) (en;fr;de) 43 str. (I)

Trajnostni razvoj v skupnostih - Sistem vodenja trajnostnega razvoja - Zahteve z navodili za uporabo (ISO 37101:2016)

Sustainable development in communities - Management system for sustainable development - Requirements with guidance for use (ISO 37101:2016)

Osnova: EN ISO 37101:2022

ICS: 13.020.20, 03.100.70

ISO 37101:2016 establishes requirements for a management system for sustainable development in communities, including cities, using a holistic approach, with a view to ensuring consistency with the sustainable development policy of communities.

The intended outcomes of a management system for sustainable development in communities include:

- managing sustainability and fostering smartness and resilience in communities, while taking into account the territorial boundaries to which it applies;
- improving the contribution of communities to sustainable development outcomes;
- assessing the performance of communities in progressing towards sustainable development outcomes and the level of smartness and of resilience that they have achieved;
- fulfilling compliance obligations.

ISO 37101:2016 is intended to help communities become more resilient, smart and sustainable, through the implementation of strategies, programmes, projects, plans and services, and demonstrate and communicate their achievements. ISO 37101:2016 is intended to be implemented by an organization designated by a community to establish the organizational framework and to provide the resources necessary to support the management of environmental, economic and social performance outcomes. A community that chooses to establish the organizational framework by itself is considered to constitute an organization as defined in ISO 37101:2016.

ISO 37101:2016 is applicable to communities of all sizes, structures and types, in developed or developing countries, at local, regional or national levels, and in defined urban or rural areas, at their respective level of responsibility.

ISO 37101:2016 can be used in whole or in part to improve the management of sustainable development in communities. Claims of conformity to ISO 37101:2016, however, are not acceptable unless all its requirements are incorporated into an organization's management system for sustainable development in communities and fulfilled without exclusion.

SIST-TS CLC/TS 50659:2023

SIST-TP CLC/TR 50659:2017

2023-02 (po) (en) 27 str. (G)

Elektromagnetne karakteristike linearnega sistema za urejanje okablenja (CMS)

Electromagnetic characteristics of linear cable management systems (CMS)

Osnova: CLC/TS 50659:2022

ICS: 29.120.10

This document provides test methods for the measurement of the following electromagnetic characteristics of lengthwise cable management systems like conduit systems according to EN 61386 series, cable trunking systems and cable ducting systems (CTS/CDS) according to EN 50085 series and cable tray and cable ladder systems according to EN 61537:

- shielding effectiveness of magnetic field,
- transfer impedance.

This document also provides guidance on how these characteristics can be declared and may be used.

SS SPL Strokovni svet SIST za splošno področje

SIST CWA 17947:2023

2023-02 (po) (en;fr;de) 25 str. (F)

Iskanje in reševanje v mestih - Smernice za uporabo preskusne metode za inovativne tehnologije za odkrivanje žrtev v ruševinah

Urban search and rescue - Guideline for the application of a test method for innovative technologies to detect victims in debris

Osnova: CWA 17947:2022

ICS: 13.200

This document specifies requirements and recommendations on the set-up of a field test and a test methodology for Urban Search and Rescue (USaR) equipment for the detection of victims under debris. A realistic field test is described to gather information to test for example a Soft Miniaturized Underground Robot (SMURF) or drones equipped with specialized sensors, e.g. preparation of debris cones made of different materials. Furthermore, a performance test method for each component and the complete USaR system is described. The purpose of the test method is to specify the apparatuses, procedures and performance metrics necessary to quantitatively measure a search and rescue kit's abilities.

This document is intended to be used by Urban Search and Rescue (USaR) equipment manufacturers and developers. The document is not primarily intended to be used by first responders, although the user community is benefitted by the relevant guidelines to be put in place.

The current document discusses and provides guidelines around the following questions:

- How to set up a test field for an innovative USaR kit?
- What should be tested?
- How should be tested?
- Who should conduct the testing?
- What is the minimum set of specifications for the technological tools?

SIST EN 2266-008:2023

SIST EN 2266-008:2015

2023-02 (po) (en;fr;de) 11 str. (C)

Aeronavtika - Električni kabli za splošno uporabo - Delovne temperature med –55 °C in 200 °C - 008. del: Družina DRP (dvožilni), DRT (trižilni), DRQ (štirižilni), večžilni, oplaščeni, z možnostjo UV-laserskega tiskanja - Standard za proizvod

Aerospace series - Cables, electrical, for general purpose - Operating temperatures between -55 °C and 200 °C - Part 008: DRP (pair) DRT (3 cores) DRQ (4 cores) family, multicore UV laser printable jacketed cable - Product standard

Osnova: EN 2266-008:2022

ICS: 29.060.20, 49.060

This document specifies the characteristics of UV laser printable multicore jacketed electrical cables for use in the on-board electrical systems of aircraft at operating temperatures between –55 °C and 200 °C.

It is also possible to mark these cables with qualified compatible markings. These markings are supposed to be in accordance with EN 3838.

SIST EN 2559:2023

SIST EN 2559:2001

2023-02 (po) (en;fr;de) 13 str. (D)

Aeronavtika - Predimpregnirana ogljikova, steklena in aramidna vlakna - Ugotavljanje deleža smole in vlaken ter masa vlaken na enoto površine

Aerospace series - Carbon, glass and aramid fibre preimpregnates - Determination of the resin and fibre content and the mass of fibre per unit area

Osnova: EN 2559:2022

ICS: 49.025.40

This document specifies methods for determining the resin content, fibre content and mass of fibre per unit area of fibre preimpregnates for aerospace use.

SIST EN 4828:2023**2023-02 (po) (en;fr;de) 18 str. (E)**

Aeronavtika - Toplotni premik LED-svetilk - Razvrstitev in merilne metode

Aerospace series - Thermal drift of LED luminaires - Classification and measuring methods

Osnova: EN 4828:2022

ICS: 49.095, 29.140.99

This document defines terms, measuring methods and setting(s) for the classification of the thermal behaviour of LED and OLED luminaires in the aircraft cabin regarding chromaticity and luminance. This document is intended for luminaires that are designed to provide photopic vision.

SIST EN 9147:2023**2023-02 (po) (en;fr;de) 10 str. (C)**

Aeronavtika - Ravnanje z nepopravljivimi predmeti

Aerospace series - Management of unsalvageable items

Osnova: EN 9147:2022

ICS: 49.020

This document is applicable to all items used for manufacturing, maintenance, and repair of aviation, space, and defense products from the raw material to the final product (e.g. aircraft, structural items, constituent assemblies, standard parts, consumables with conformity and/or safety impact).

This document considers items dispositioned as scrap in accordance with 8.7 of the EN 9100 series of standards supporting nonconformity management and/or organization decisions (e.g. obsolescence, inventory management, missing traceability documentation).

The requirements specified in this document are complementary (not alternative) to contractual and applicable statutory and regulatory requirements. Should there be a conflict between the requirements of this document and applicable statutory or regulatory requirements, the applicable statutory or regulatory requirements take precedence.

This document defines requirements and actions to be taken after the disposition decision to control the unsalvageable items within the organization and its external providers.

SIST EN ISO 21814:2023

SIST EN 725-4:2007

2023-02 (po) (en;fr;de) 45 str. (I)

Fina keramika (sodobna keramika, sodobna tehnična keramika) - Preskusne metode za kemične analize praškov aluminijevega nitrída (ISO 21814:2019)

Fine ceramics (advanced ceramics, advanced technical ceramics) - Methods for chemical analysis of aluminium nitride powders (ISO 21814:2019)

Osnova: EN ISO 21814:2022

ICS: 81.060.30

This document specifies methods for the chemical analysis of fine aluminium nitride powders used as the raw material for fine ceramics.

This document stipulates the determination methods of the aluminium, total nitrogen, boron, calcium, copper, iron, magnesium, manganese, molybdenum, nickel, potassium, silicon, sodium, titanium, tungsten, vanadium, zinc, zirconium, carbon, chlorine, fluorine, and oxygen contents in aluminium nitride powders. The aluminium content is determined by using either an acid pressure decomposition-CyDTA-zinc back titration method or an acid digestion-inductively coupled plasma-optical emission spectrometry (ICP-OES) method. The total nitrogen content is determined by using an acid pressure decomposition-distillation separation-acidimetric titration method, a direct decomposition-distillation separation-acidimetric titration method, or an inert gas fusion-thermal conductivity method. The boron, calcium, copper, iron, magnesium, manganese, molybdenum, nickel, potassium, silicon, sodium, titanium, tungsten, vanadium and zinc contents are determined by using an acid digestion-ICP-OES method or an acid pressure decomposition-ICP-OES method. The sodium and potassium contents are determined via an acid pressure decomposition-flame emission method or an acid pressure decomposition-atomic absorption spectrometry method. The oxygen content is determined by using an inert gas fusion-IR absorption spectrometry method, while that of carbon is determined via a combustion-IR absorption spectrometry method or a combustion-conductometry method. The chlorine

and fluorine contents are determined by using a pyrohydrolysis method followed by ion chromatography or spectrophotometry.

SIST EN ISO 21821:2023

SIST EN 725-11:2007

2023-02 (po) (en;fr;de) 18 str. (E)

Fina keramika (sodobna keramika, sodobna tehnična keramika) - Določanje zgoščevalnih lastnosti keramičnega prahu pri naravnem sintranju (ISO 21821:2019)

Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of densification properties of ceramic powders on natural sintering (ISO 21821:2019)

Osnova: EN ISO 21821:2022

ICS: 81.060.30

This document specifies the test method to determine the extent to which ceramic powder compacts made of granulated or ungranulated ceramic powders are densified, when they are sintered at a high temperature without the application of any external pressure or external densification force. The test method is applicable to pure oxides, mixtures of oxides and solid solutions, and is also applicable to non-oxides (e.g. carbides, nitrides) that can be sintered under vacuum or constant gas pressure (1 bar or less) to prevent oxidation or decomposition. The test method is not applicable to ceramics that can only be sintered using pressure-assisted sintering techniques such as hot pressing (HP), hot isostatic pressing (HIP), gas pressure sintering (GPS) or spark plasma sintering (SPS). Inorganic sintering additives can be used where their presence is reported.



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