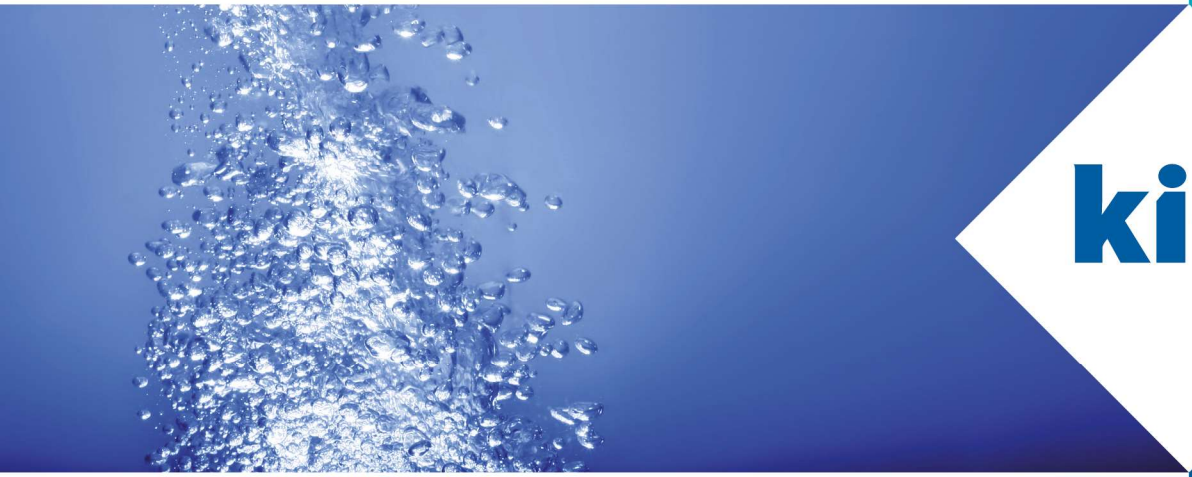
BRL-K14029
2022-01-07

Evaluation Guideline

for the Kiwa product certificate for
Cartridges to be used for sanitary tapware; Thermostatic mixing valves



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Preface

This evaluation guideline has been accepted by the Kiwa Board of Experts Watercycle (CWK), in which all relevant parties in the field of Cartridges to be used for sanitary tapware; Thermostatic mixing valves are represented. The Board of Experts also supervises the certification activities and where necessary requires the evaluation guideline to be revised. All references to Board of Experts in this evaluation guideline pertain to the above mentioned Board of Experts.

This evaluation guideline will be used by Kiwa in conjunction with the Kiwa Regulations for Certification.

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Binding declaration
This evaluation guideline has been declared binding by Kiwa on 2022-01-07

478/160822

Contents

1 Introduction

1.1 General

This evaluation guideline includes all relevant requirements which are adhered to by Kiwa as the basis for the issue and maintenance of a certificate for Cartridges to be used for sanitary tapware; Thermostatic mixing valves.

This evaluation guideline replaces BRL-K14029, dated 2018-12-01. The quality declarations issued and based on that guideline will remain valid.

For the performance of its certification work, Kiwa is bound to the requirements as included in NEN-EN-ISO/IEC 17065 “Conformity assessment - Requirements for bodies certifying products, processes and services”.

1.2 Field of application / scope

The products are intended to be used as part of Thermostatic Mixing Valves as meant in the Kiwa evaluation guideline BRL-K610. The cartridges are designed for use in drinkingwater installations with a maximum water pressure of 1000 kPa.

Remark
This evaluation guideline does not refer to cartridges which may be sold to consumers directly, to be used as replacement for defective parts.

1.3 Acceptance of test reports provided by the supplier

If the supplier provides reports from test institutions or laboratories to prove that the products meet the requirements of this evaluation guideline, the supplier shall prove that these reports have been drawn up by an institution that complies with the applicable accreditation standards, namely:

- NEN-EN-ISO/IEC 17020 for inspection bodies;
- NEN-EN-ISO/IEC 17021 for certification bodies certifying systems;
- NEN-EN-ISO/IEC 17024 for certification bodies certifying persons;
- NEN-EN-ISO/IEC 17025 for laboratories;
- NEN-EN-ISO/IEC 17065 for certification bodies certifying products.

Remark:
This requirement is considered to be fulfilled when a certificate of accreditation can be shown, issued either by the Board of Accreditation (RvA) or by one of the institutions with which an agreement of mutual acceptance has been concluded by the RvA. The accreditation shall refer to the examinations as required in this evaluation guideline. When no certificate of accreditation can be shown, Kiwa shall verify whether the accreditation standard is fulfilled.

1.4 Quality declaration

The quality declaration to be issued by Kiwa is described as a Kiwa product certificate.
A model of the certificate to be issued on the basis of this evaluation guideline has been included for information as Annex.

2 Terms and definitions

2.1 Definitions

In this evaluation guideline, the following terms and definitions apply:

- **Board of Experts**: the Board of Experts Watercycle (CWK).

- **Certification mark**: a protected trademark of which the authorization of the use is granted by Kiwa, to the supplier whose products can be considered to comply on delivery with the applicable requirements and possibly with quality information on the application of the product is added by a specially designed label which is based on the result, as stated in the report issued by Kiwa on the inspection of the prototype.

- **Drinking water:** water intended or partly intended for drinking, cooking or food preparation or other domestic purposes, but does not include hot water, and is made available by pipeline to consumers or other customers.

- **Drinking water installation:** an installation direct or in-direct connected to the public drinking water distribution network of a drinking water company (source Dutch drinking water act);

- **Evaluation Guideline (BRL)**: the agreements made within the Board of Experts on the subject of certification.

- **Installation:** configuration consisting the pipe work, fittings and appliances;

- **Inspection tests**: tests carried out after the certificate has been granted in order to ascertain whether the certified products continue to meet the requirements recorded in the evaluation guideline.

- **IQC scheme (IQCS):** a description of the quality inspections carried out by the supplier as part of his quality system.

- **Pre-certification tests**: tests in order to ascertain that all the requirements recorded in the evaluation guideline are met.

- **Private Label Certificate:** A certificate that only pertains to products that are also included in the certificate of a supplier that has been certified by Kiwa, the only difference being that the products and product information of the private label holder bear a brand name that belongs to the private label holder.

- **Product certificate**: a document in which Kiwa declares that a product may, on delivery, be deemed to comply with the product specification recorded in the product certificate.

- **Product requirements**: requirements made specific by means of measures or figures, focussing on (identifiable) characteristics of products and containing a limiting value to be achieved, which can be calculated or measured in an unequivocal manner.

- **Supplier**: the party that is responsible for ensuring that the products meet and continue to meet the requirements on which the certification is based.

- **Tap water**: water intended for drinking, cooking or food preparation or other domestic purposes.
  Note: Tap water includes drinking water, hot tap water and house hold water

3 Procedure for granting a product certificate

3.1 Pre-certification tests

The pre-certification tests to be performed are based on the (product) requirements as contained in this evaluation guideline, including the test methods, and comprises the following:

- type testing to determine whether the products comply with the product and/or functional requirements;
- production process assessment;
- assessment of the quality system and the IQC-scheme;
- assessment on the presence and functioning of the remaining procedures.

3.2 Granting the product certificate

After finishing the pre-certification tests, the results are presented to the Decision maker (see 9.2) deciding on granting the certificate. This person evaluates the results and decides whether the certificate can be granted or if additional data and/or tests are necessary.

3.3 Investigation into the product and/or performance requirements

Kiwa will investigate the to be certified products against the certification requirements as stated in the certification requirements.
The necessary samples will be drawn by or on behalf of Kiwa.

3.4 Production process assessment

When assessing the production process, it is investigated whether the producer is capable of continuously producing products that meet the certification requirements. The evaluation of the production process takes place during the ongoing work at the producer.
The assessment also includes at least:

- The quality of raw materials, half-finished products and end products;
- Internal transport and storage.

3.5 Contract assessment

If the supplier is not the producer of the products to be certified, Kiwa will assess the agreement between the supplier and the producer.
This written agreement, which is available for Kiwa, includes at least:

- Accreditation bodies, scheme managers and Kiwa will be given the opportunity to observe the certification activities carried out by Kiwa or on behalf of Kiwa at the producer.

4 Requirements

4.1 General

This chapter contains the requirements the cartridges for thermostatic mixers have to fulfil. These requirements will make part of the technical specification of the products, as included in the certificate.

4.2 Regulatory requirements

4.2.1 Suitability for contact with drinking water

Products and materials which (may) come into contact with drinking water or warm tap water, shall not release substances in quantities which can be harmful to the health of the consumer, or negatively affect the quality of the drinking water. Therefore, the products or materials shall meet toxicological, microbiological and organoleptic requirements as laid down in the currently applicable "Ministerial Regulation materials and chemicals drinking water and warm tap water supply", (published in the Government Gazette). Consequently, the procedure for obtaining a recognised quality declaration, as specified in the currently effective Regulation, has to be concluded with positive results.
Products and materials with a quality declaration[1], e.g. issued by a foreign certification institute, are allowed to be used in the Netherlands, provided that the Minister has declared this quality declaration equivalent to the quality declaration as meant in the Regulation.

4.3 Product requirements

This chapter contains the requirements the cartridges have to fulfil. These requirements will make part of the technical specification of the products, as included in the certificate.

The conditions of use and requirements for the sanitary tapware in which the thermostatic cartridge are intended to be used, are laid down in EN 1111: “Sanitary tapware – Thermostatic mixing valves (PN 10) – General technical specifications” and the related interpretation document issued by CEN-TC164 WG8.
The cartridges for thermostatic mixing valves shall comply with the requirements of EN1111, Clauses 13, 15 and 16 and clause 4.4 of this guideline.

The product examination cannot be carried out on the cartridge only. It is therefore to be tested in a test housing to be supplied by the manufacturer. This test housing can be a brass body with inlets for cold and hot water and one outlet for mixed water, or a complete thermostatic shower mixer. The hydraulic resistance of this brass body or tap shall be lower than that of the cartridge.

The body or sanitary tap in which the cartridge is tested may be selected by the applicant. A technical drawing of the test body shall be presented.
Furthermore the applicant shall provide a control handle and any other accessory needed to carry out the product examination.

4.4 Additional requirements

In addition to what has been mentioned in 4.2 and 4.3 the following applies.

[1] A quality declaration issued by an independent certification institute in another member state of the European Community or another state party to the agreement to the European Economic Area, is equivalent to a recognized quality declaration, to the extent that, to the judgment of the Minister of the first mentioned quality declaration, is fulfilled the at least equivalent requirements as meant in the Regulation materials and chemicals drinking water- and warm tap water supply.

4.4.1 Determination of flow rate

For each thermostatic cartridge, the flow capacity and the related field of application (basin, shower or bath) shall be determined. This shall be carried out in accordance with 5.1.

4.4.2 Sensitivity

In addition to the requirements of EN 1111 - clause 13.3, the sensitivity of the movement of the temperature control device shall also be measured with the initial settings as described in EN1111 - clause 13.3, however with a reduced flow rate of 4,0 l/min. Determine the minimum required radius of the temperature control device.

4.4.3 Cold water supply failure & restoration

In addition to the requirements of EN 1111 – clause 13.5.3, the cold water supply failure will also be measured in accordance with 5.2 The water collected in the period from 3 s to 13 s after cold water isolation shall be less than 100 ml.

4.4.4 Supply pressure variation

In addition to the requirements of EN 1111 – clause 13.5.4, the supply pressure variation will also be measured in accordance with 5.3.

4.4.5 Operation torque

The operation torque for temperature adjustment shall be between 0,5 Nm and 1,5 Nm. This shall be tested according to article 5.4.

4.4.6 Endurance thermal element

The endurance of the thermal element shall be determined in accordance with EN1111 - clause 15.8. After the endurance test the thermostatic cartridge shall comply with the performance requirements of EN 1111 - clause 13, as well as the additional performance requirements stated in 4.4.3 of this evaluation guideline.

4.4.7 Resistance to high temperatures and thermal shock

The cartridge shall be resistant to water with a temperature of 90 °C, followed by a sudden change to water with a temperature of 20 °C. This shall be tested according to article 5.5. After this test, the cartridge shall show no deformation or other deteriorations which impairs the function and comply with the requirements for flow rate. With the temperature control device in the pre-determined position, the temperature of the mixed water shall not be changed with more than 0,5 °C.

4.4.8 Product information

Clear documentation shall be available. This information that can be delivered with the cartridge, shall at least contain instructions for correct installation and use of the thermostatic cartridge.

5 Test methods

5.1 Evaluation of the flow rate

5.1.1 Test procedure

a. Install the test piece on the test rig in accordance with EN1111, article 13.1.
b. Measure the flow rate in accordance with EN1111, article 13.2.
c. Evaluate the results and establish for which applications the cartridge is suitable.

5.2 Cold water supply failure & restoration

5.2.1 Test procedure

a. Install the test piece on the test rig and maintain the settings shown in EN1111, table 8.
b. Immediately isolate the cold water supply to the test piece.
c. In an insulated vessel collect the water discharged from the test piece for the period from 3 s to 13 s after isolation.
d. Measure the collected discharge water.

5.3 Supply pressure variation

5.3.1 Test procedure

Carry out the test in accordance with EN1111, article 13.5.4, however then with a water reduction from (0,2 + 0,02) MPa [(2 + 0,2/0) bar] to (0,1 + 0,01) MPa [(1 + 0,1/0) bar].

5.4 Determination of the operating torque

5.4.1 Test procedure

a. Install a test piece onto the test rig and maintain the settings shown in EN1111, table 8.
b. Adjust the temperature control device to the fully cold position.
c. Turn the control device to the maximum warm position and measure the operating torque.
d. Turn the control device back to the fully cold position and measure the operating torque.

5.5 Determination of resistance to high temperature and thermal shock

5.5.1 Test procedure

a. Install a new test piece on the test rig and connect both inlets to the water supply circuit.
b. Supply hot water at a temperature of 90 ± 2 °C and cold water at 20 ± 5 °C.
c. Set the supply pressures at 300 ± 10 kPa and reduce the flow to 2 l/min.
d. Adjust the control device to the position that the temperature measured at the outlet is 38 °C and mark this position.
e. Adjust the temperature control device to the full hot position and let water flow for 1 hour.
f. Change the control device within 2 seconds to the full open cold water position and rinse the cartridge for 5 minutes.
g. Carry out the flow rate test in accordance with EN1111, 13.2.

h. Adjust the temperature control device to the position, as marked according to (d) and measure the temperature of the water temperature at the outlet.

6 Marking

6.1 General

The cartridge shall be provided with the following markings:

- manufacturer's name or mark;
- type code or name;
- production date or code.

The marking shall be legible and indelible.

6.2 Certification mark

After concluding a Kiwa certification agreement, the following certification mark shall be applied legible, indelible and visibly on the product after assembly:

The Kiwa Water Mark; "Kiwa" or the abbreviated wordmark KK in a rectangle.

The packaging may be provided with the following mark:

7 Requirements in respect of the quality system

This chapter contains the requirements which have to be met by the supplier's quality system.

7.1 Manager of the quality system

Within the supplier's organizational structure, an employee who will be in charge of managing the supplier's quality system must have been appointed.

7.2 Internal quality control/quality plan

The supplier shall have an internal quality control scheme (IQC scheme) which is applied by him.

The following must be demonstrably recorded in this IQC scheme:

- which aspects are checked by the supplier;
- according to what methods such inspections are carried out;
- how often these inspections are carried out;
- in what way the inspection results are recorded and kept.

This IQC scheme should at least be an equivalent derivative of the model IQC scheme as shown in the Annex.

7.3 Control of test and measuring equipment

The supplier shall verify the availability of necessary test and measuring equipment for demonstrating product conformity with the requirements in this evaluation guideline.
When required the equipment shall be kept calibrated (e.g recalibration at interval).
The status of actual calibration of each equipment shall be demonstrated by traceability through an unique ID.
The supplier must keep records of the calibration results.
The supplier shall review the validity of measuring data when it is established at calibration that the equipment is not suitable anymore.

7.4 Procedures and working instructions

The supplier shall be able to submit the following:

- procedures for:
  - dealing with products showing deviations;
  - corrective actions to be taken if non-conformities are found;
  - dealing with complaints about products and/or services delivered;
- the working instructions and inspection forms used.

7.5 Other requirements

The supplier shall be able to submit the following:

- the organisation's organogram;
- qualification requirements of the personnel concerned.

8 Summary of tests and inspections

This chapter contains a summary of the following tests and inspections to be carried out in the event of certification:

- **pre-certification tests:** tests in order to ascertain that all the requirements recorded in the evaluation guideline are met;
- **inspection test: tests** carried out after the certificate has been granted in order to ascertain whether the certified products continue to meet the requirements recorded in the evaluation guideline;
- **inspection of the quality system of the supplier:** monitoring compliance of the IQC scheme and procedures.

8.1 Test matrix

Description of requirement	Article of BRL-K14029	Tests within the scope of:	
		Pre-certification	Inspection by Kiwa after granting of certificate (number / year) [a,b]
Material			
Requirements to avoid deterioration of the quality of the drinking water	4.2	X	1 / 2
Marking			
General	6.1	X	1 / 2
Certification mark	6.2		1 / 2
Product Requirements			
Flow rate	4.4.1	X	1 / 2
Sensitivity	4.4.2	X	1 / 2
Cold water supply failure & restoration	4.4.3	X	1 / 2
Supply pressure variation	4.4.4	X	1 / 2
Operation torque	4.4.5	X	1 / 2
Mechanical endurance	4.4.6	X	1 / 5
Resistance to high temperatures and thermal shock	4.4.7	X	1 / 5

a) In case the product or production process changes, it must be determined whether the performance requirements are still met.

b) The frequency of inspection visits is defined in chapter 9.6 of this evaluation guideline. During the inspection test the inspector checks the products on basis of a selection from the above-mentioned product requirements. For this purpose, at least one tap is selected from each product family, with a maximum of 1/3 of all certified products. The inspections with regard to the products can be carried out by:
   - the producer, in this own NEN-EN-ISO/IEC 17025 accredited laboratory
   - the producer, in the presence of the inspector
   - an NEN-EN-ISO/IEC 17025 accredited and recognized laboratory.

8.2 Inspection of the quality system of the supplier

The quality system of the supplier will be checked by Kiwa on the basis of the IQC scheme.
The inspection contains at least those aspects mentioned in the Kiwa Regulations for Certification.

9 Agreements on the implementation of certification

9.1 General

Beside the requirements included in these evaluation guidelines, the general rules for certification as included in the Kiwa Regulations for Product Certification also apply. These rules are in particular:

- the general rules for conducting the pre-certification tests, in particular:
  - the way suppliers are to be informed about how an application is being handled;
  - how the test are conducted;
  - the decision to be taken as a result of the pre-certification tests.
- the general rules for conducting inspections and the aspects to be audited,
- the measures to be taken by Kiwa in case of Non-Conformities,
- the measures taken by Kiwa in case of improper use of Certificates, Certification Marks, Pictograms and Logos,
- terms for termination of the certificate,
- the possibility to lodge an appeal against decisions of measures taken by Kiwa.

9.2 Certification staff

The staff involved in the certification may be sub-divided into:

- Certification assessor (**CAS**): in charge of carrying out the pre-certification tests and assessing the inspectors' reports;
- Site assessor (**SAS**): in charge of carrying out external inspections at the supplier's works;
- Decision maker (**DM**): in charge of taking decisions in connection with the pre-certification tests carried out, continuing the certification in connection with the inspections carried out and taking decisions on the need to take corrective actions.

9.2.1 Qualification requirements

The qualification requirements consist of:

- qualification requirements for personnel of a certification body which satisfies the requirements EN ISO / IEC 17065, performing certification activities
- qualification requirements for personnel of a certification body performing certification activities set by the Board of Experts for the subject matter of this evaluation guideline

Education and experience of the concerning certification personnel shall be recorded demonstrably.

Basic requirements	Evaluation criteria
Knowledge of company processes Requirements for conducting professional audits on products, processes, services, installations, design and management systems.	*Relevant experience: in the field* **SAS, CAS**: 1 year **DM**: 5 years inclusive 1 year with respect to certification Relevant technical knowledge and experience on the level of: **SAS**: High school **CAS, DM**: Bachelor

Basic requirements	Evaluation criteria
Competence for execution of site assessments. Adequate communication skills (e.g. reports, presentation skills and interviewing technique).	**SAS**: Kiwa Audit training or similar and 4 site assessments including 1 autonomic under review.
Execution of initial examination	**CAS**: 3 initial audits under review.
Conducting review	**CAS**: conducting 3 reviews

Technical competences	Evaluation Criteria
Education	**General**: Education in one of the following technical areas: • Civil Engineering; • Engineering.
Testing skills	**General:** • 1 week laboratory training (general and scheme specific) including measuring techniques and performing tests under supervision ; • Conducting tests (per scheme).
Experience - specific	**CAS** • 3 complete applications (excluding the initial assessment of the production site) under the direction of the **PM** • 1 complete application self-reliant (to be evaluated by **PM**) • 3 initial assessments of the production site under the direction of the **PM** • 1 initial assessment of the production site self-reliant (witnessed by **PM**) **SAS** • 5 inspection visits together with a qualified **SAS** • 3 inspection visits conducted self-reliant (witnessed by **PM**)
Skills in performing witnessing	**PM** Internal training witness testing

Legenda:
- Certification assessor (**CAS**)
- Decision maker (**DM**)
- Product manager (**PM**)
- Site assessor (**SAS**)

9.2.2 Qualification
The qualification of the Certification staff shall be demonstrated by means of assessing the education and experience to the above mentioned requirements. In case staff is to be qualified on the basis of deflecting criteria, written records shall be kept.

The authority to qualify staff rests with the:
- **PM**: qualification of **CAS** and **SAS**;
- Management of the certification body: qualification of **DM**.

9.3 Report initial investigation
The certification body records the results of the initial investigation in a report. This report shall comply with the following requirements:

- completeness: the report provides a verdict about all requirements included in the evaluation guideline;
- traceability: the findings on which the verdicts have been based shall be recorded and traceable;
- basis for decision: the **DM** shall be able to base his decision on the findings included in the report.

9.4 Decision for granting the certificate

The decision for granting the certificate shall be made by a qualified Decision maker which has not been involved in the pre-certification tests. The decision shall be recorded in a traceable manner.

9.5 Layout of quality declaration

The product certificate shall be in accordance with the model included in the Annex.

9.6 Nature and frequency of third party audits

The certification body shall carry out surveillance audits on site at the supplier at regular intervals to check whether the supplier complies with his obligations. The Board of Experts decides on the frequency of audits.

At the time this BRL entered into force, the frequency of audits amounts two audits on site per year for suppliers with a quality management system in accordance with ISO 9001 for their production, which has been certified by an acknowledged body (in accordance with ISO/IEC 17021) and where the IQC scheme forms an integral part of the quality management system.
In case the supplier is not in possession of a quality management system certificate (issued by Kiwa or any other accredited certification body), the frequency is increased to three visits for the duration of one year.

The audit program on site shall cover at least:
- the product requirements;
- the production process;
- the suppliers IQC scheme and the results obtained from inspections carried out by the supplier;
- the correct way of marking certified products;
- compliance with required procedures;
- handling complaints about products delivered.

For suppliers with a private label certificate the frequency of audits amounts to one audit per two years. These audits are conducted at the site of the private label certificate holder. The audits are conducted at the site of private label holder and focussed on the aspects inserted in the IQC scheme and the results of the control performed by the private label holder. The IQC scheme of the private label holder shall refer to at least:
- the correct way of marking certified products;
- compliance with required procedures for receiving and final inspection;
- the storage of products and goods;
- handling complaints.

The results of each audit shall be recorded by Kiwa in a traceable manner in a report.

9.7 Non conformities

When the certification requirements are not met, measures are taken by Kiwa in accordance with the sanctions policy as written in the Kiwa Regulation for Certification.
The Sanctions Policy is available through the “News and publications” page on the Kiwa website.

9.8 Report to the Board of Experts

De certification body shall report annually about the performed certification activities. In this report the following aspects are included:

- mutations in number of issued certificates (granted/withdrawn);
- number of executed audits in relation to the required minimum;
- results of the inspections;
- required measures for established Non-Conformities;
- received complaints about certified products.

9.9 Interpretation of requirements

The Board of Experts may record the interpretation of requirements of this evaluation guideline in one separate interpretation document.

10 Titles of standards

10.1 Public law rules

BJZ2011048144 29 juni 2011	Regeling van de Staatssecretaris van Infrastructuur en Milieu[1]

10.2 Standards / normative documents

Number	Title
NEN-EN ISO/IEC 17020	Conformity assessment - General criteria for the operation of various types of bodies performing inspection
NEN-EN ISO/IEC 17021	Conformity assessment - Requirements for bodies providing audit and certification of management systems
NEN-EN ISO/IEC 17024	Conformity assessment - General requirements for bodies operating certification of persons
NEN-EN ISO/IEC 17025	General requirements for the competence of testing and calibration laboratories
NEN-EN ISO/IEC 17065	Conformity assessment - Requirements for bodies certifying products, processes and services
EN 1111	Sanitary tapware – Thermostatic mixing valves (PN 10) – General technical specifications
Amendments EN1111	Clarification for test procedures EN1111:2017 - by CEN/TC 164 /WG8

[1] Valid from 1 July 2017

I Model certificate (informative)

CERTIFICATE

Product certificate
Kxxxxx/01

kiwa

Issued	*xxxx-xx-xx*
Replaces	-
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Name product

STATEMENT BY KIWA
With this product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

Name certificate holder

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline BRL-K xxx "xxxxxxxxxxxxx", dated xx-xx-xxxx.

Name Director
Kiwa

Publication of this certificate is allowed.
Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

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Certification process consists of initial and regular assessment of:
- **quality system**
- **product**

Product certificate Kxxxxx/01

Name Product

Technical specification
The products mentioned below belong to this product certificate;

products

APPLICTION AND USE

Scope / limits for correct use

MARKING
The Kiwa®-mark products are marked with …

Place of the mark:
- place

Compulsory specifications:
- a;
- b;
- c;
- d.

RECOMMENDATIONS FOR CUSTOMERS
Check at the time of delivery whether:
- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:
- name

and, if necessary,
- Kiwa Nederland B.V.

Consult the supplier's processing guidelines for the proper storage and transport methods.

140410

II Model IQC-scheme (informative)

Inspection subjects	Inspection aspects	Inspection method	Inspection frequency	Inspection registration
Raw materials or materials supplied: - recipe sheets - incoming goods inspection raw materials				
Production process, production equipment, plant: - procedures - working instructions - equipment - release of product				
Finished-products				
Measuring and testing equipment - measuring equipment - calibration				
Logistics				