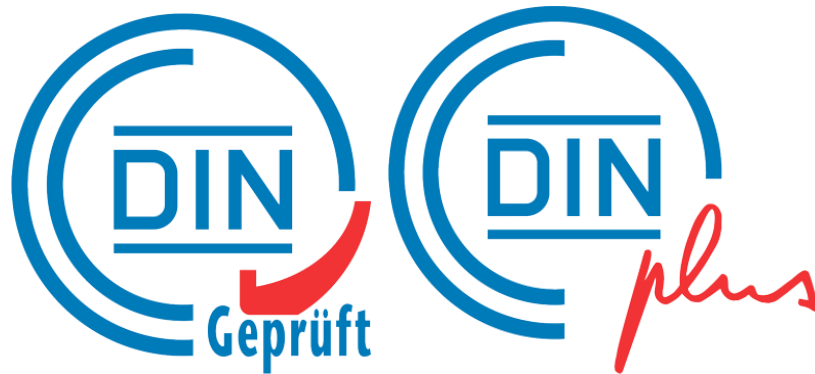




TÜVRheinland®

DIN CERTCO

Precisely Right.



Certification Scheme

Accessories for Grilling

according to

DIN EN 1860-2
DIN EN 1860-3
DIN SPEC 91346
DIN EN ISO 17225-2

(Edition: January 2021)

Foreword

DIN CERTCO was founded in 1972 by DIN Deutsches Institut für Normung e. V., is now part of the TÜV Rheinland Group and is the certification body for issuing DIN marks and other certification marks for products, persons, services as well as companies based on DIN standards and similar specifications. Due to its independence, neutrality, competence and many years of experience, DIN CERTCO enjoys a high reputation both at home and abroad.

In order to prove the functionality of the system and our competence as a certification body, we have been accredited, certified or recognised by independent domestic and foreign bodies in both the voluntary and legally regulated areas. [Our accreditations.](#)

The certification scheme had been developed in connection with progresses in the market. With this certification scheme requirements are set for barbecue accessories such as firelighters for barbecuing in accordance with the European standard DIN EN 1860-3, barbecue charcoal and barbecue charcoal briquettes in accordance with the European standard DIN EN 1860-2, barbecue briquettes made from high-purity carbon concentrate in accordance with the DIN SPEC 91346 and grill wood pellets in accordance with the international standard DIN EN ISO 17225-2.

In addition to the general terms and conditions of DIN CERTCO as well as the test, registration and certification regulations, this certification scheme forms the basis for manufacturers and distributors of barbecue accessories to approve their products with the “DIN-Geprüft” or “DIN*plus*” mark after they have met the applicable requirements. They document that their products meet all the requirements of the applicable standards and that the quality of their products remains constant through monitoring in the market.

Grill accessories receive the certification mark “DIN-Geprüft” or “DIN*plus*” if the product requirements listed in Section 3 are met in accordance with the procedure described in this certification scheme.

All certificate holders can be viewed on the daily updated database on the homepage of DIN CERTCO <www.dincertco.de>

Start of validity

This certification scheme is valid from 2021-01

Revision

Merging of the certification schemes for accessories for grilling, such as firelighters for barbecuing in accordance with the European standard DIN EN 1860-3, barbecue charcoal and barbecue charcoal briquettes in accordance with the European standard DIN EN 1860-2, barbecue briquettes made from high-purity carbon concentrate in accordance with the technical specification DIN SPEC 91346 and barbecue wood pellets in accordance with the international standard DIN EN ISO 17225-2. No changes in connection with requirements for the product itself or its testing, monitoring and certification.

Previous editions

Firelighters for barbecue charcoal and barbecue charcoal briquettes (2020-03)
Grill charcoal and grill charcoal briquettes (2020-03)
Grill charcoal and grill charcoal briquettes *DINplus* (2020-03)
High-purity carbon concentrate grill briquettes (2020-03)
Grill briquettes made of high-purity carbon concentrate *DINplus* (2020-03)
Grill wood pellets (2020-09)

Remark

The German version of this certification scheme shall be taken as authoritative. No guarantee can be given to the English translation.

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1 Scope

This certification scheme applies to barbecue accessories such as firelighters for barbecuing, barbecue charcoal and barbecue charcoal briquettes, barbecue briquettes made from high-purity carbon concentrate and barbecue wood pellets and, in conjunction with the test principles listed below, contains all requirements for awarding the conformity and quality mark "DIN-Geprüft" or "DINplus".

This certification scheme specifies the requirements for the product itself and on its testing, monitoring and certification as well.

2 Test and certification specifications

The basis for the testing and certification are the following documents listed below in their respective valid version. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

DIN EN 1860-3	Appliances, solid fuels and firelighters for barbecuing. Part 3: Firelighters for igniting solid fuels for use in barbecue appliances. Requirements and test methods
DIN EN 1860-3/A1	Appliances, solid fuels and firelighters for barbecuing – Part 3: Firelighters for igniting solid fuels for use in barbecue appliances – Requirements and test methods
DIN EN 1860-2	Appliances, solid fuels and firelighters for barbecuing. Part 2: Barbecue charcoal and barbecue charcoal briquettes. Requirements and test methods
DIN SPEC 91346	Barbecue briquettes from high-purity carbon concentrate
DIN EN ISO 17225-2	Solid biofuels – Fuel specifications and classes – Part 2: Graded wood pellets

- This Certification Scheme
- The General Terms and Conditions of TÜV Rheinland DIN CERTCO
- Testing, Registration and Certification Regulations of DIN CERTCO
- The respective schedule of fees of DIN CERTCO

3 Product requirements

3.1 Normative requirements

The standards define the requirements for the test procedure.

The normative requirements primarily serve to reduce the risks that can arise during and through the lighting and burning of solid fuels for grilling such as barbecue charcoal, barbecue charcoal briquettes, barbecue briquettes made from high-purity carbon concentrate and barbecue wood pellets.

3.1.1 General requirements for labeling and / or instructions for use

The requirements for labeling and / or instructions for use for barbecue accessories for use in barbecues for solid fuels are specified in the standards. In addition, the certified product is marked with the relevant DIN mark and the associated register number (see Section 5.4 of the certification scheme) and information on the respective year of manufacture (information must always be updated), if necessary the batch number.

3.1.2 Firelighters

The detailed technical requirements for firelighters for charcoal and charcoal briquettes for grilling are specified in Section 4 of the European standard DIN EN 1860-3 and represent all requirements for the award of the “DIN-Geprüft” mark of conformity.

3.1.2.1 Composition of the ignition aid

In the interests of the consumer who uses the final product, the stipulations in Section 4.1.1.2 of DIN EN 1860-3 are to be applied as follows:

The properties of ready-to-use solid, liquid and viscous or gel ignition firelighters must meet the limit values specified in this section using the test methods specified there. As an alternative test method to the ISO 3837 specified in the DIN EN 1860-3 standard, the gas chromatograph is also approved for testing.

If necessary, compliance with the limit values must be proven by means of analysis certificates or safety data sheets for the individual raw materials.

3.1.2.2 Ignition time - sample amount for the test according to Appendix C.

The determination of the ignition capacity of ignition aids in accordance with DIN 1860-3 Annex C Sequence C 4.2 is carried out with the following sample quantities:

Type of firelighters	Sample quantity
solid	50 bis 60 g
thick (gel)	70 bis 80 g
liquid	90 bis 100 ml

3.1.2.3 Consumer packaging - childproof closure

Compliance with the requirements for a child-resistant closure according to EN 28317 as required in Section 4.3.3.1 of DIN 1860-3 can be proven by means of a written confirmation from an independent testing or certification organization.

3.1.2.4 Test charcoal according to Appendix A.3

In principle, the test charcoal made from eucalyptus wood specified in DIN EN 1860-3 is to be used. In exceptional cases (e.g. barbecue charcoal made from eucalyptus wood is temporarily not available on the market), other charcoal that has been tested in accordance with DIN EN 1860-2 or DIN CERTCO certified barbecue charcoal (“DIN-Geprüft”) can be used.

The test report must contain additional information such as details about the manufacturing facility and year of production.

DIN CERTCO must be notified of each new production facility immediately by submitting an application for an extension / change. If a corresponding test certificate is available and the product meets the requirements of the standard, it can also be marked with the DIN-Geprüft mark and the existing registration number.

3.1.3 Barbecue charcoal and barbecue charcoal briquettes

The detailed requirements for barbecue charcoal and barbecue charcoal briquettes are specified in section 4 of the European standard DIN EN 1860-2 and represent all requirements for the award of the “DIN-Geprüft” mark of conformity.

3.1.3.1 Additional requirements for the award of the "DINplus" mark

3.1.3.1.1 Barbecue charcoal not impregnated

The test is carried out in accordance with Section 4.2 of DIN EN 1860-2.

Quality feature:

c-fix content: min. 80 % (wf)

ash content: max. 4 % (wf)

3.1.3.1.2 Barbecue charcoal briquettes not impregnated

The test is carried out in accordance with Section 4.3 of DIN EN 1860-2.

Quality feature:

c-fix content: min. 65 % (wf)

ash content: max. 15 % (wf)

3.1.4 Grill briquettes made from high-purity carbon concentrate

DIN SPEC 91346 serves to reduce the risks that can arise during and through grilling with solid fuels. It specifies requirements for grill briquettes made from high-purity carbon concentrate that are used to prepare food. Criteria for smoke-free combustion with a long burning time are defined.

The detailed requirements for the grill briquettes made of pure carbon concentrate are specified in Section 4 of DIN SPEC 91346 and represent all requirements for the award of the "DIN-Geprüft" mark of conformity. It includes tests for the following parameters:

- Particle emission
- Long-term burning time
- Fixed carbon

- Ash content
- Humidity
- Grain size
- Binders
- Volatile content

3.1.4.1 Additional requirements for assigning the mark "DINplus"

Ash content and grain content smaller than 20 mm have been defined as a quality feature for barbecue briquettes of highly carbon concentrate sharper. The test is carried out in accordance with section 4 of DIN SPEC 91346. The grill briquettes made of high-purity carbon concentrate exceed the requirements of the specification DIN SPEC 91346.

Quality feature:

Grain content smaller than 20 mm: max. 2 %

Ash content: max. 13 % (wf)

3.1.5 Grill wood pellets

The international standard DIN EN ISO 17225-2 for wood pellets serves in connection with the testing and certification of reducing risks, which can result in and by barbecue with solid fuels. This standard sets the requirements and testing for wood pellets for non-industrial use in grilled equipment and represents all the requests for awarding the "DIN-Geprüft" character.

Part 2 of DIN EN ISO 17225 includes only wood pellets made from the following raw materials (see ISO 17225-1, Table 1):

- 1.1 Forest and plantation wood and other natural wood
- 1.2 Industrial residual wood
- 1.3 Chemically untreated used wood

The detailed requirements for wood pellets, which is also used as a barbecue fuel, are set in the section 5, property class A1 of this standard.

3.1.5.1 Marking of the packaging for grill wood pellets

The markings must be visible, easy to read, permanently and at least in the language(s) of the country in which the product is sold.

1. Name or registered logo of the manufacturer or dealer / distributor
2. Designation of the product as follows: Grill wood pellets (compulsory)
3. Specification of the diameter (in mm), z. B.: Diameter 6 mm or 8 mm
4. Type designation / trademark, if applicable
5. Content in kg
6. Number of the standard DIN EN ISO 17225-2 incl. Output date
7. Asher softening temperature (optional)
8. Note that presses are protected against moisture during transport and storage.
9. The combustion may only be carried out in suitable and approved fireplaces as a pellet grill (see operating instructions of the pellet grill).

10. Safety, health and use-related instructions for proper and secure use of a pellet grill with grill wood pellets (please refer to the manual and user manual of the manufacturer).

11. Other warnings:

- One main reason for fires is to meet the required distance to combustible materials. It is extremely important that this product is mounted and set up only in agreement with these instructions.
- Do not use in closed rooms or interiors!
- Keep children in a safe distance to the pellet grill.
- Grill wood pellets must not be used in traditional grill devices.

12. Indication of the respective year of manufacture. The indication must always be updated.

13. Certification signs "DIN-tested" and register number (compulsory)

14. For more than one manufacturing site, a clear distinctive feature must be created. For example, you can choose a number or one or more book rods. The label is DIN CERTCO to be announced in writing.

4 Testing

4.1 General

For the implementation of the required tests as the basis for the evaluation and certification of the products, DIN CERTCO uses the test laboratories recognized by it.

4.2 Types of test

4.2.1 Initial test

The initial test is a type test (design test, type test), which serves to determine whether the product meets the requirements laid down in section 3 of this certification scheme and whether the requirements for the product are met. The initial test consists of a laboratory test of the samples, which are taken from all production facilities and submitted for testing to a laboratory and documented in the test report.

The test is carried out in accordance with section 4.4 of this certification scheme.

The test must be proven in time by a positive test report.

4.2.2 Surveillance test

The verification test is carried out at recurring, defined intervals (see section 7 of the certification scheme) and serves to determine whether the certified product corresponds to the type-tested product in the production phase.

This test is carried out in accordance with section 4.4 of this certification scheme.

The testing of the samples taken on the market is ordered by DIN CERTCO and must be proven in time by a positive test report.

As part of the factory production control by the certificate holder according to section 6 of the certification scheme, the conformity of the manufactured products with the specified requirements should be ensured. This must be proven in time by a positive test report.

4.2.3 Supplementary test

A supplementary test takes place if additions, extensions or changes (see section 5.9 of the certification scheme) have been made to the already certified product that have an impact on the conformity with the underlying requirements.

The type and scope of the supplementary test are determined in individual cases by DIN CERTCO in consultation with the testing laboratory.

4.2.4 Special test

A special test is conducted when:

- defects are detected
- the production has been suspended for a period of more than 6 months
- required by DIN CERTCO - reasons to be specified
- requested in writing by a third party if a particular interest in the maintenance of proper conduct of market procedures in relation to competition or quality is involved.

The type and scope of a special test are determined in accordance with the purpose in each individual case by DIN CERTCO in coordination with the test laboratory.

If defects are found during a special test, or if it is a special test due to production being suspended, the certificate holder must bear the costs of the special test procedure.

If no defects are found in the case of special tests at the request of third parties, the costs will be borne by the applicant third party.

4.3 Sampling as a part of the surveillance test

Sampling takes place in the course of monitoring in the market (see section 7.2 of the certification scheme) and is usually carried out by an inspector represented by DIN CERTCO. The test samples are taken from the trade and sent to the test laboratory recognized by DIN CERTCO. The costs of this is due to the certificate owner.

The test product must arrive within 14 days in the test laboratory ordered with testing.

4.4 Test procedure

The test of these grill accessories such firelighters, barbecue charcoal and barbecue charcoal briquettes takes place according to the European standard DIN EN 1860, grill briquettes made of high purity carbon concentrate according to DIN SPEC 91346 and grill wood pellets according to the international standard DIN EN ISO 17225-2 with the consideration of the additional trials of this certification scheme, where applicable.

4.5 Test report

The test laboratory shall notify the client of the results of the tests in a test report. This must be submitted to DIN CERTCO in the original.

The test report may not be older than 6 months at the time of application. In individual cases, older test reports may also be recognized if the test laboratory confirms in writing the validity of the information given in the test report.

The test report shall comply with DIN EN ISO/IEC 17025 and shall include at least the following information:

- Name and address of the manufacturer
- Name and address of the applicant (if different from manufacturer)
- Test principles (standards and certification scheme) incl. date of issue
- Type of test (e.g. type test, supplementary test, etc.)
- Date of the test
- Results and assessment of the test
- Name and signature of the person responsible for the test

5 Certification

5.1 Application for certification

Applicants can be both manufacturers or deployment charges, which, in written agreement with the certificate owner, bring the products independently in the sense of the Product Security Act. (in German: Produktsicherheitsgesetz).

The applicant must submit the following documents to DIN CERTCO:

- Application for certification in the original and with a legally binding signature
- Current test report according to Section 4.5 on a first test (see section 4.2.1), so far the test was not commissioned by DIN CERTCO
- Proof of current certification according to DIN EN ISO 9001 (desirable)
- If necessary, documents in accordance with European legislation on hazard and safety or the current safety data sheet

The certification in the sense of this certification program is the conformity assessment of a product by DIN CERTCO based on test reports of the test laboratories recognized by DIN CERTCO. Here, the products to be certified are checked for compliance (conformity) with the requirements mentioned in section 3.

For each manufacturing site, a check must be carried out which must have a unique and detailed reference to the products subject to monitoring.

The right of use for the "DIN-Geprüft" or "DIN*plus*" is issued by awarding a corresponding certificate.

5.2 Definition of types and sub-types

Accessories for grilling that differ from each other in essential certification-relevant features are defined as a type. Features relevant to certification are e.g. Properties that significantly affect security, function or handling and are therefore sold under its own trade name. A separate certificate is issued for each type.

As a rule, sub-types are those products of a type/model that only differ from one another in formal or non-certification-relevant features. They can be summarized on a certificate, e.g. packaging sizes, type and material of the packaging of firelighters.







5.3 Conformity assessment

Based on the submitted application documents DIN CERTCO carries out the conformity assessment. In particular, the test report assesses whether the product meets the requirements of the certification scheme and the standard.

DIN CERTCO informs the applicant in writing about deviations.

5.4 Certificate and the right to use the mark

After successful examination and conformity assessment of the application documents submitted, DIN CERTCO issues a certificate to the applicant and issues the right of use for the "DIN-Geprüft" or "DINplus" character in conjunction with an associated register number.

Product	Test basis	Registration No.	Mark
Firelighters	DIN EN 1860-3	5Z000	
Barbecue charcoal and barbecue charcoal briquettes	DIN EN 1860-2	3H000	
Barbecue charcoal and barbecue charcoal briquettes	DIN EN 1860-2 Certification Scheme	P1G000	
Grill briquettes of highly carbon concentrate	DIN SPEC 91346	10K000	
Grill briquettes of highly carbon concentrate	DIN SPEC 91346 Certification Scheme	P3K000	
Grill wood pellets	DIN EN ISO 17225-2	10H000	

Products (Grill Accessories) for which the right of use for the "DIN-Geprüft" or "DINplus" has been issued shall be marked with the respective certification mark "DIN-Geprüft" or "DINplus" and the associated register number.

The mark and the registration number may only be used for the type for which the certificate has been issued and which corresponds to the type-tested product.

For each respective type, a registration number shall be issued. For design types (sub-types) of a type, the same registration number shall be issued (see section 5.2).

In addition, the General Terms and Conditions of TÜV Rheinland DIN CERTCO and Testing, Registration and Certification Regulations of DIN CERTCO apply.

5.4.1 Sublicense

It requires the granting of a sublicense if a certified type / model of a product (firelighters or grill fuels) is brought to the market from another company as (main) certificate holder or under other trademarks as the (main) certificate given. A sublicense is issued for firelighters if the consumer packaging deviates from the main certificate from the main certificate in terms of packaging type (box, bag, etc.). In the case, the consumer packaging of a firelighter must be tested on section 4.3 of the DIN EN 1860-3 standard integrity, sealing quality, stain freedom and dryness per packaging art / packaging material are additionally checked and the certification body will be submitted to a test report.

5.5 Publications

All certificate holders can be viewed on the daily updated homepage of DIN CERTCO <www.dincertco.tuv.com>. Producers, users and consumers use this research possibility for obtaining information about the certified products.

Besides the contact data of the certificate holders (telephone, telefax, e-mail, homepage), it is also possible to view the technical data of the certified products.

5.6 Validity of certificate

The certificate has a validity of 2 years. The validity period is indicated in the certificate. If the certificate is extinguished, the right to use the right to sign expires.

5.7 Renewal of certificate

If the certification is to be maintained beyond the validity period specified in the certificate, DIN CERTCO must have a current positive test report in good time before the validity expires.

Evidence of compliance with the requirements of the test and certification basis in accordance with Section 2 is provided in the scope of a surveillance test in accordance with Section 4.2.2.

5.8 Expiry of certificate

If re-certification for standard conformity under Section 4 has not took place in time before the expiration of the validity period, the right of use for the "DIN-Geprüft" or "DIN*plus*" and the register number will expire without it requiring an explicit view of DIN CERTCO.

In addition, the certificate may expire if:

- the surveillance measures referred to in section 7 are not carried out on time or incompletely
- the quality mark "DIN-Geprüft" or "DIN*plus*" is abused by the certificate holder
- the requirements resulting from this certification scheme or its accompanying documents are not fulfilled
- the applicable certification fees are not paid in due time
- the conditions for issuing the certificate are no longer fulfilled

5.9 Alterations/Amendments

5.9.1 Alterations/Amendments to the product

The certificate holder is obligated to inform DIN CERTCO immediately of any changes to the product. DIN CERTCO decides, in consultation with the testing laboratory, to what extent an inspection according to section 4.2.3 is to be carried out and whether this is a significant change. The test report is forwarded by the test laboratory to DIN CERTCO.

If DIN CERTCO establishes a major change, the certificate expires with the associated registration number. For the amended product, an application for initial certification and the right of use for the certification mark "DIN-Geprüft" or "DIN*plus*" can be submitted again.

The certificate holder is also obliged to notify all changes to formal data of DIN CERTCO (e.g. certificate holder or its address).

Every new production facility is to be known to DIN CERTCO. If a corresponding test report is available and the product fulfills the requirements of the standard, after agreement of DIN CERTCO in writing may also be marked with the mark "DIN-Geprüft" or "DIN*plus*" and the already existing registration number.

5.9.2 Amendment of the test basis

If the basic test specifications for the certification are modified, an application for the alteration of the certification shall be submitted within 6 months after receiving of notification from DIN CERTCO and, as a rule, after 12 months, proof of conformity with the modified test specifications shall be submitted in the form of a positive test report (see section 4.2.3).

5.10 Defects in the product

If deficiencies in a certified product being in the market are detected, DIN CERTCO requests the certificate holder in writing to eliminate the defects.

DIN CERTCO, in consultation with the testing laboratory, decides whether it is a serious or minor defect.

In the case of defects that directly or indirectly have an influence on safety or functional performance (serious defects), the certificate holder has to ensure that the products are no longer marked with the certification mark until the defects are eliminated.

The deficiencies must also be eliminated immediately on installed or in stock products. Within 3 months, the certificate holder must prove to DIN CERTCO by submitting a test report on a special test according to section 4.2.4 that the deficiencies have been removed and that the complained product meets the specified requirements again.

In the case of defects, which do not have any influence on the safety or functional performance (minor defects), the certificate holder has to document to DIN CERTCO within 3 months and in a suitable way that the defects of the complained product have been removed.

If the certificate holder fails to meet these deadlines, the certificate and therefore the right of use for the certification mark „DIN-Geprüft“ oder „DIN*plus*“ will be withdrawn.

If there is still reason for the complaint, DIN CERTCO initially suspends the certificate and at the same time, a final deadline for the elimination of defects is given. If the certificate holder

fails to comply with the request or fails to comply with the deadline, or the removal of defect cannot be proved again, the certificate will be expired.

6 Self-monitoring by the certificate holder

The certificate holder must ensure that the product properties confirmed during the certification are maintained by means of appropriate quality assurance measures. This can be ensured by means of a factory-specific production control, which is directly aligned with the product or the production and through measures within the framework of a quality management system (QM system) in accordance with the series of standards DIN EN ISO 9000 ff. If there is the QM system certified according to DIN EN ISO 9001 available, the production control must be carried out based on a statistical check according to the international standard DIN ISO 2859-1.

6.1 Production-accompanying quality assurance

The factory production control is the continuous monitoring of the production process by the certificate holder, which ensures the conformity of the manufactured products with the stipulated requirements.

Corresponding test report is to be submitted to DIN CERTCO as a rule after 12 months from the issue date of the certificate.

The test report must correspond to DIN EN ISO / IEC 17025 and contain at least the here following information. Approx. 8 to 10 sample packs are generally required to test the fire-lighters; for testing grill fuel approx. 15 to 20 kg:

- Name and address of the manufacturer
- Name and address of the applicant (if different from manufacturer)
- Test principles (standards and certification scheme) incl. date of issue
- Type of test (e.g. type test, supplementary test, etc.)
- Date of the test
- Results and assessment of the test
- Name and signature of the person responsible for the test

In case of a negative result of testing, the certificate holder must immediately take all measures for the removal of the defect. Defective products shall be marked and discarded. The test shall be repeated on a regular basis to determine whether the defect has been removed.

6.2 Quality Management System

DIN CERTCO recommends the establishment and certification of a quality management system according to the international standard DIN EN ISO 9001.

7 External monitoring by DIN CERTCO

7.1 General information

An essential part of the certification is the continuous monitoring of the certified product during the entire duration of the certificate. The monitoring by DIN CERTCO during the duration of the certificate takes place two times.

DIN CERTCO verifies and evaluates the conformity of the product with the requirements laid down in the certification scheme as well as the effectiveness of the quality assurance as per section 6.1.

7.2 Monitoring in the market

Monitoring in the market by DIN CERTCO is used to determine whether the manufacturing conditions for continuous conformity of the products with the requirements of section 3 are met. In the course of the monitoring, representative samples are taken from the trade. The test scope is defined in section 4.4.

If possible, monitoring in the market takes place unannounced and must be carried out at least once a year for each certified product. The samples taken are tested by a test laboratory recognized by DIN CERTCO. They should correspond to the average of production. The sampling extends to all of the certificate holder's sales goods on the market.

In order to be able to identify the samples in the market, information must be available to DIN CERTCO about the whereabouts of the samples in the trade, so that samples of the certified product available in the market can be taken. This information can be provided to DIN CERTCO as a list or on request.

If the results of the test are not sufficient, the certificate holder must be informed immediately. The scope of additional measures to meet all requirements must then be defined between the certification body and the certificate holder. If the certificate holder is unable to implement the necessary measures, the process is terminated and the certificate suspended. If the certificate holder does not comply with the request or does not do so within the set period, or if the removal of the deficiencies cannot be proven again, the certificate will expire. 0-100 % being indicated on the vertical axis.