



TÜVRheinland®

DIN CERTCO

Precisely Right.



Certification Scheme

Desiccant bags

in accordance with

DIN 55473

(Edition: February 2016)

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.](#)

In conjunction with the General Terms and Conditions of DIN CERTCO, this certification scheme forms the basis for suppliers and distributors of desiccant bags to mark their products with the “DIN-Geprüft” certification mark. In this way they document that their products and the production related quality management or rather storage fulfil all the requirements of DIN 55473.

The “DIN-Geprüft” certification mark creates consumer confidence in that an independent, neutral and competent body has carefully examined and assessed the product on the basis of the test criteria. Third-party monitoring further ensures that the quality of the product is maintained also during the on-going production process. In this way, the customer receives an added value, which he can take into consideration in deciding on his purchase.

Desiccant bags shall receive the “DIN-Geprüft” certification mark on meeting the requirements listed in DIN 55473 using the procedure described in this certification scheme.

All certificate holders can be viewed on the daily up-dated homepage of DIN CERTCO (www.dincertco.de).

Amendments

The following amendments have been made to the “Desiccant bags” certification scheme (2013-02):

- a) Definition of Main Types and Sub-Types
- b) Deletion of requirement of reserve samples during sampling
- c) Adaption of references according new version of DIN 55473:2015-12 standard
- d) Editing changes

Previous Editions

Certification scheme “Desiccant bags” (2013-02)

Certification scheme “Desiccant bags and desiccant bag chains” (2011-05)

Certification scheme “Desiccant bags” (2009-02)

CONTENTS

1	Scope	4
2	Test and Certification Specifications	4
3	Product Requirements	4
4	Testing	4
4.1	General Information	4
4.2	Types of Test	4
4.2.1	Initial Test (Type Test).....	4
4.2.2	Factory or rather warehouse inspection.....	4
4.2.3	Verification Test (Control Test)	5
4.2.4	Supplementary Test	5
4.2.5	Special Test.....	5
4.3	Sampling	6
4.4	Test Procedure.....	6
4.5	Test Report	6
5	Certification	6
5.1	Application	7
5.2	Definition of Main-and Sub-Types	7
5.3	Marking	7
5.4	Conformity Assessment	7
5.5	The Certificate and the Right to Use the Mark	8
5.6	Publications.....	8
5.7	Validity of the Certificate.....	8
5.8	Renewal of the Certificate	8
5.9	Expiry of the Certificate	9
5.10	Alterations/Amendments	9
5.10.1	Alterations/Amendments to the Product.....	9
5.10.2	Alteration to the Basic Test Specifications	9
5.11	Product Defects.....	10
6	Surveillance	10
6.1	General Information	10
6.2	Surveillance by the Certificate Holder (Self-surveillance)	11
6.2.1	Additional Requirements for Main Certificate Holder.....	12
6.2.2	Additional Requirements for Sub-Certificate Holder.....	12
6.3	Surveillance by DIN CERTCO.....	12
6.3.1	Requirements for Main Certificate Holders	13
6.3.2	Requirements for Sub-Certificate Holders.....	13
Annex A	Requirements for Desiccant Bags	15
Annex B	Labelling	16

1 Scope

This certification scheme is applicable to desiccant bags according to the standard DIN 55473 and contains, in conjunction with the basic documents mentioned below, all of the requirements for awarding the “DIN-Geprüft” certification mark.

The certification scheme presented here lays down the requirements for the product itself as well as for the testing, monitoring and certification of same.

2 Test and Certification Specifications

The following referenced documents form the basis for testing and certification. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

DIN 55473 Auxiliary means of packaging - Desiccant in bag - Technical delivery conditions

- this certification scheme
- the General Terms and Conditions of DIN CERTCO
- the respective schedule of fees of DIN CERTCO

3 Product Requirements

The listing in Table 1 Annex A contains the requirements for desiccant bags pursuant to DIN 55473.

4 Testing

4.1 General Information

The testing consist of an initial test and a factory or rather warehouse inspection as well as regular verification tests.

For the performance of the tests required as the basis for the assessment and certification of the products, DIN CERTCO avails itself of the test laboratories to which it has awarded recognition.

4.2 Types of Test

4.2.1 Initial Test (Type 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.

4.2.2 Factory or rather warehouse inspection

The inspection consists of the checking of the manufacturing or rather storage and testing facilities as well as the quality assurance measures (QA measures). It serves to determine whether the technical manufacturing pre-requisites are met for the continual conformity of the products with the requirements laid down in section 3.

A special monitoring report shall be issued on the results of the factory or rather warehouse inspection. This report is signed by the inspector and the correspondent contact person of the manufacturer or rather distributor.

Should the results of the factory inspection or rather warehouse inspection prove insufficient, the applicant shall be informed accordingly without delay. In this case, the scope of additional measures needed to fulfil all requirements shall be determined between the certification body and the applicant. Should the applicant be unable to implement the necessary measures, the procedure shall be terminated.

4.2.3 Verification Test (Control Test)

The verification test according to section 6 is conducted repeatedly at determined intervals and serves to ascertain whether the certified product corresponds to the type-tested product during the production phase. Additionally the verification tests assure that the operational sequences during production or rather storage meet the requirements of this certification scheme.

The test is commissioned by DIN CERTCO and must be evidenced on the due date by a positive test report and monitoring report of the factory or rather warehouse inspection according to section 4.2.2.

4.2.4 Supplementary Test

A supplementary test shall take place when additions, extensions or modifications corresponding to section 5.10.1 are made to the certified product, which may influence the product's conformity with the pertinent, fundamental requirements.

The type and scope of the supplementary test shall be laid down on a case by case basis by DIN CERTCO in conjunction with the testing laboratory.

4.2.5 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 the special test shall be laid down in accordance with the specific, respective purpose on a case by case basis by DIN CERTCO in conjunction with the testing laboratory.

Should defects be detected in the course of the special test or because of the suspended production, the certificate holder shall bear the costs of the examination procedure.

Should the special test at the request of a third party reveal no defects, the costs shall be borne by said third party.

4.3 Sampling

The sampling process takes place during the factory or rather warehouse inspection at the manufacturer's or rather distributor's premises and at the premises of authorised dealers or supply warehouses named by the manufacturer.

The samples used during initial, verification and renewal are supplied to the inspection laboratory by the manufacturer. The manufacturer bears the associated costs.

The number of samples required for product inspections is agreed between DIN CERTCO and the inspection laboratory unless it is already specified in the applicable inspection standards.

4.4 Test Procedure

The testing shall be carried out in a laboratory which has been acknowledged by DIN CERTCO. The testing are based on the requirements listed in the standard.

4.5 Test Report

The testing laboratory shall inform the principal of the test and examination results in the form of a test report. This must be submitted to DIN CERTCO in the original or in a electronic version.

The test report must be in conformity with DIN EN ISO/IEC 17025, Section 5.10 and contain at least the following information.

- Name and address of the manufacturer
- Name and address of the applicant (if different from the manufacturer)
- Test basis (standard and certification scheme) with date of issue
- Type of test (e.g. type-test, complementary examination, etc.)
- Date of examination
- Test result and assessment
- Name and signature of the person responsible for the examination

5 Certification

Certification in the sense of this certification scheme relates to the assessment of conformity of a product and the quality management of the manufacturer or rather distributor by DIN CERTCO on the basis of test reports submitted by testing laboratories recognized by DIN CERTCO and the conducted factory or rather warehouse inspection. To this end, the products to be certified are examined and subsequently monitored in respect of conformity with the requirements laid down in section 3.

The right to use the "DIN-Geprüft" certification mark will be granted by the issuing of the respective certificate.

5.1 Application

Both manufacturers according to § 4 of the Product Liability Act (ProdHaftG) or distributors who, with the written consent of the certificate holder, bring the products onto the market under their own responsibility in the sense of the Product Liability Act, may apply.

The applicant must submit the following document to DIN CERTCO:

- Application for certification in the original complete with legally binding signature

The applicant shall receive from DIN CERTCO, after receipt of the application, a confirmation of order with a process number and notes regarding the further course of the procedure and, as applicable, queries concerning any missing documents:

- up-to-date test report according to section 4.5 concerning an initial test (see section 4.2.1), in so far as the test was not commissioned by DIN CERTCO
- up-to-date factory or rather warehouse inspection report (see section 4.2.2)
- further statements if applicable

5.2 Definition of Main-and Sub-Types

Due to the fact that various desiccants have a significant influence on the characteristics of the product and have to undergo a complete testing, main types in the sense of this certification scheme are desiccant bags with different desiccants (for example silica gel, clay, etc.). For each main type a separate certificate with a separate registration number is issued.

Sub-types in the sense of this certification scheme are desiccant bags with a non-woven different from the main type, but consisting of the same desiccant. They can be covered by one certificate with one registration number. The amount of desiccant units is insignificant.

The classification into types and sub-types as described in this section must not be confused with classification into type A and type B (dust proof and dust free).

5.3 Marking

The desiccant bags must be labelled in accordance with Annex B.

5.4 Conformity Assessment

On the basis of the documents submitted as well as the test report and factory or rather warehouse inspection report, DIN CERTCO conducts the conformity examination. To this end, in particular, an assessment is made with the aid of the examination report as to whether the product meets the requirements of this certification scheme and of the standard.

The applicant shall receive written notification from DIN CERTCO in the event of any possible deviations.

5.5 The Certificate and the Right to Use the Mark

After successful testing and conformity assessment of the submitted documents, DIN CERTCO issues a certificate to the applicant and awards the right to use the “DIN-Geprüft” certification mark in conjunction with a corresponding registration number.



Format of the Registration Number: **5Bxxx**

Desiccant bags for which the right to use the “DIN-Geprüft” certification mark has been awarded, must be marked with the respective “DIN-Geprüft” certification mark and the respective registration number as well as the correspondent standard.

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. Sub-certificate holders receive the same registration number as the correspondent main certificate holder.

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

In addition to this, the General Terms and conditions of DIN CERTCO shall apply.

5.6 Publications

All certificate holders can be viewed on the daily up-dated homepage of DIN CERTCO (www.dincertco.de) under <Certificates/Registrations>. Manufacturers, users and consumers use this research possibility for obtaining information on certified products.

Besides the contact details of the certificate holders (telephone, fax, e-mail, website), it is also possible to view the technical data of the certified desiccant bags.

5.7 Validity of the Certificate

The certificate for desiccant bags and the respective renewal are issued for a period of 5 years. The right to use the mark to mark goods bearing the “DIN-Geprüft” mark expires with the certificate or on expiry of its last renewal, withdrawing or suspension.

5.8 Renewal of the Certificate

If the certification shall continue to apply beyond the date shown on the certificate, an application for renewal must be submitted in time to DIN CERTCO.

Proof of conformity with the requirements of the test and certification specifications according to section 1 takes the form of a surveillance test as described in section 6 with sampling and testing according to section 4. This proof shall not be older than 12 month.

5.9 Expiry of the Certificate

In the event that the new standard conformity examination according to section 4 has not been completed before expiry of the validity period, the right to use the “DIN-Geprüft” certification mark and the registration number expires without the necessity for explicit notification from DIN CERTCO.

Furthermore, the certificate can also expire if e.g.:

- the surveillance according to section 6 is not performed punctually or completely,
- the “DIN-Geprüft” certification mark is misused by the certificate holder,
- the requirements laid down in the certification scheme or its accompanying documents are not fulfilled,
- the certification fees are not paid on the due date,
- the prerequisites for the issuing of the certificate are no longer fulfilled.

5.10 Alterations/Amendments

5.10.1 Alterations/Amendments to the Product

The certificate holder is obliged to notify DIN CERTCO of all certification relevant alterations (e.g. amendment of the non-woven or desiccant) to the product in form of an application of extension/alteration without delay. The testing laboratory in conjunction with DIN CERTCO shall decide on the scope of an examination that shall be conducted according to section 4.2.4 and whether it is a matter of a substantial alteration. The respective test report shall be forwarded to DIN CERTCO by the test laboratory. In the case of an extension of the existing certificate by a new non-woven and/or a new property of dust permeability (type A or type B) a confirmation that the applied desiccant has not been changes has to be handed in to DIN CERTCO additionally.

Should DIN CERTCO determine a substantial alteration, the certificate with the corresponding registration number shall expire. For the modified product, a new application for initial certification authorising the use of the “DIN-Geprüft” certification mark may be submitted.

The certificate holder remains obliged to notify of any changes in the formal details (e.g. adress of the certificate holder, the corporate name or the name of the product).

The certificate holder may apply to DIN CERTCO for an extension of the existing certificate for further sub-types of the same main type. The sub-types , provided that the conditions are fulfilled, shall be entered in the certificate for the already certified product and shall be regarded as an integral part of same.

5.10.2 Alteration to the Basic Test Specifications

If the basic test specifications for the certification are modified, an application for the alteration of the certification shall be submitted within 6 months of receiving notification from DIN CERTCO and, as a rule, after 12 months, proof of conformity with the modified examination specifications shall be submitted in the form of a positive test report (see section 4.2.4) and a positive factory or rather warehouse inspection report (see section 4.2.2) if applicable.

5.11 Product Defects

In the event that a certified product on the market is found to be defective, the certificate holder shall be summoned in writing by DIN CERTCO to rectify the defects.

In conjunction with the testing laboratory, DIN CERTCO shall decide whether it is a serious or a minor defect.

In the case of defects having a direct or indirect effect on the technical safety or functionality of the product (serious defects), the manufacturer or rather distributor must ensure that, until the defects have been rectified, the products are no longer marked with the "DIN-Geprüft" certification mark.

The defects must also be rectified without delay in the products in storage as well. The manufacturer or rather distributor must submit proof to DIN CERTCO within 3 months, in the form of a test report on a special test in accordance with section 4.2.5, that the defects have been rectified and that the product in question again fulfils the stipulated requirements.

In the case of defects that have no influence on the technical safety or functionality of the product (minor defects), the manufacturer or rather distributor must submit suitable proof to DIN CERTCO within 3 months that the defects in the product in question have been rectified.

Should the manufacturer fail to observe these deadlines, he and the distributors of the products will no longer be permitted to use the "DIN-Geprüft" certification mark.

Should grounds for complaint continue to exist, DIN CERTCO shall initially suspend the certificate and at the same time issue a final deadline for the rectification of the defects. Should the certificate holder fail to meet this demand, or fail to meet it within the period of grace, or if it is again not possible to prove that the defects have been rectified, the certificate shall be annulled.

6 Surveillance

6.1 General Information

The constant surveillance of the certified product during the entire duration of the certification period is an integral component of the certification itself. The surveillance shall be performed at regular intervals of one year.

The successful closure of the surveillance is the requirement for maintenance of the validity of the certificate.

In case of an expiration of the validity of the certificate the surveillance shall be carried out in line with the renewal.

The certificate holder is informed by DIN CERTCO about the results of the surveillance in written form. If applicable, corrective actions have to be demonstrated in the space of two months.

6.2 Surveillance by the Certificate Holder (Self-surveillance)

The manufacturer (main and sub-certificate holders) must implement suitable quality assurance methods in order to ensure that the product characteristics verified during certification remain of the same quality.

This can be accomplished by means of an in-house factory production control (FPC) or rather control of incoming and outgoing goods focussed on the product itself or on the production and, in addition, can be guaranteed within the framework of a quality management system (QM-System) in accordance with the standard series DIN EN ISO 9000 ff.

Factory production control or rather control of incoming and outgoing goods comprises the continual monitoring of the production process or rather storage related processes by the manufacturer or rather distributor, which guarantees the conformity of the products manufactured with the specified requirements.

Appropriate records shall be submitted to DIN CERTCO or its authorised representative on request. These records must contain at least the following information:

- Designation of the test object
- Date of manufacture
- Date of examination
- Result of the examination and, if envisaged, comparison with the stipulated requirements
- Signature of the person responsible for the examination
- Date of the report

In the event of a negative test result, the manufacturer shall take all necessary steps to rectify the defect. Faulty products are to be marked and set apart. The test shall be repeated regularly to verify whether the defect has been rectified.

Requirements for the QA System:

Every employee of the company must understand and be able to examine at any time the latest version of the documents applicable for his section.

For the following quality-relevant processes, the manufacturer must have documentation:

- Monitoring of incoming and outgoing
- Monitoring of the test equipment used (calibration, functional testing)
- Implementation of monitoring tests
- Duties and responsibilities, particularly for decisions about the further course of action in the event of detection of abnormalities, interruptions to production etc.
- Complaints management
- Training of employees

The relevant records must be submitted to DIN CERTCO or its agents on request.

6.2.1 Additional Requirements for Main Certificate Holder

In-house factory production control for main certificate holders are identical to the requirements set out in section 8 of DIN 55473 without restrictions.

If the tests required by the standard are carried out by third parties, for example raw material supplier, all test results must be held by the main certificate holder on a batch wise basis. It must also be ensured that the tests of these parameters comply with standard DIN 55473 and the laboratory equipment is adequately maintained and calibrated. The documentation must be submitted to DIN CERTCO on request.

6.2.2 Additional Requirements for Sub-Certificate Holder

Regarding the self-surveillance of the sub-certificate holder section 8.1 of DIN 55473 applies with the restriction that at least the test set out below must be carried out by the sub-certificate holder. It must be possible for the main certificate holder to supply the results of the internal inspections not listed here but listed in section 8 of DIN 55473 to DIN CERTCO on a batch wise basis on request.

Visual Test of Incoming Goods:

- Visual inspection of the group packaging: 5 samples per delivery. Regarding the labelling the requirements according to Annex B apply.
- Visual inspection of the desiccant bags: 5 samples per delivery. The visual inspection refers to the labelling (see Annex B) and outside properties according to section 7.1 of the DIN 55473 standard.

Technical Test of Incoming Goods

- Strength: The test interval must be defined on a sensible and comprehensible basis.
- Weight: The Test interval shall be adjusted to the interval of the testing of the strength.

Section 8.2 of DIN 55473 applies without restriction.

6.3 Surveillance by DIN CERTCO

DIN CERTCO examines the conformity of the product with the requirements laid down in the certification scheme as well as, where applicable, within the framework of factory or rather warehouse inspections, the effectiveness of the factory production control according to section 6.2.

Within the framework of factory or rather warehouse inspections, DIN CERTCO, or one of its authorised representatives, inspects the manufacturing or rather storage and testing facilities as well as the quality assurance measures (QA measures).

The factory or rather warehouse inspection also serves to determine whether the technical manufacturing pre-requisites are met for the continual conformity of the products with the requirements laid down in section 3. Furthermore the factory-owned production control or rather the control of incoming and outgoing goods and the QA system as well as the relevant documents are also inspected.

6.3.1 Requirements for Main Certificate Holders

The surveillance for main certificate holder is carried out annually. It consists of a laboratory test according to section 4.2.1 and a factory inspection according to section 4.2.2.

6.3.1.1 Laboratory Test

Within the framework of the annual surveillance the laboratory testing has to be carried out by a testing laboratory recognized by DIN CERTCO according to the DIN 55473 standard.

The relevant sections are as follows:

- 5.1 General
- 5.2.1 pH value and electrical conductivity of the aqueous extract
- 5.2.2 Content of water-soluble substances
- 5.2.3 Particle size
- 5.3.1 Adsorption capacity
- 5.3.2 Volume and weight
- 5.3.3 Adsorption speed
- 5.4.1 Dust permeability
- 5.4.2 Strength of the bag
- 6.1 General
- 6.2 Group packaging
- 6.3 Number of desiccant bags per group packaging
- 6.4 Fastening facilities
- 6.5.1 Marking of desiccant bags
- 6.5.2 Marking of group packaging

Samples are taken by DIN CERTCO at the manufacturer as a general rule. The test report shall contain all data according Section 8.3 of DIN 55473 standard.

In the framework of the surveillance the following rule applies additionally:

In the case the certificate holder owns more than one certificate the different main types shall be tested alternating annually.

6.3.1.2 Factory Inspection

In the framework of the factory inspection the QA measures for ongoing internal monitoring (see section 6.2) described in section 8 of DIN 55473 and the appropriate internal inspection records are inspected. The relevant records regarding the production or rather storage must be submitted to the inspector of DIN CERTCO or its agents on request. Additionally the sampling has to be ensured while the applicant or rather the certificate holder and the commissioned inspector are present.

6.3.2 Requirements for Sub-Certificate Holders

The surveillance for sub-certificate holder is carried out annually. It consists of a laboratory test according to section 4.2.1 and a factory inspection according to section 4.2.2.

6.3.2.1 Laboratory Test

The samples taken as part of the annual verification from the warehouse of the authorised dealers or delivery warehouses named by the manufacturers (generally holders of sub-certificated and manufacturers in the sense of DIN 55473) are subjected to the tests according to the following sections unless specified to the contrary. Tests shall be carried out in a testing laboratory recognized by DIN CERTCO.

- 5.3.1 Adsorption capacity
- 5.3.2 Volume and weight
- 5.4.1 Dust permeability
- 5.4.2 Strength of the bag
- 6.5.1 Marking of desiccant bags
- 6.5.2 Marking of group packaging

Samples are taken by DIN CERTCO at the manufacturer as a general rule. The test report shall contain all data according Section 8.3 of DIN 55473 standard.

In the framework of the surveillance the following rule applies additionally:

In the case the certificate holder owns more than one sub-certificate the different main types shall be tested alternating annually. .

6.3.2.2 Warehouse Inspection

In the framework of the factory inspection the QA measures for ongoing internal monitoring (see section 6.2) described in section 8 of DIN 55473 and the appropriate internal inspection records are inspected in accordance with section 9.3 of DIN 55473. The relevant records regarding the storage must be submitted to the inspector of DIN CERTCO or its agents on request. Additionally the sampling has to be ensured while the applicant or rather the certificate holder and the commissioned inspector are present.

Annex A Requirements for Desiccant Bags

Table 1: Requirements for Desiccant and Desiccant Bags according DIN 55473.

Section in DIN 55473	Description	Requirement	Inspection according to DIN 55473	For sub-certificate holder
Desiccant				
Desiccants must contain no foreign substances and must not dissolve.				
4.1.2	pH value of the aqueous extract	$3.5 \geq \text{pH} \leq 8.5$	5.2.1	
4.1.3	Electrical conductivity of the aqueous extract	$\leq 0.3 \text{ S/m}$	5.2.1	
4.1.4	Mass content of water-soluble substances	$\leq 2 \%$	5.2.2	
4.1.5	Particle size: $x_P < 6,3 \text{ mm}$ $x_P < 0,25 \text{ mm}$ (sieve according to DIN ISO 3310-1)	100 % $\leq 2 \%$	5.2.3	
4.2.1	Adsorption capacity (water vapour) on delivery with 40% relative humidity and $23 \pm 2 \text{ }^\circ\text{C}$ per desiccant unit	$\geq 6.0 \text{ g}$	5.3.1	x
Desiccant bags				
The non-woven material of the desiccant bag may be made of fabric, paper, fibre fleece or other, adequately water vapour-permeable materials with sufficient strength. Desiccant bags contain 1/6, 1/3, 1/2, 1, 2, 4, 8, 16 or 32 desiccant units.				
4.2.2	Adsorption speed (water) on delivery within 7 hours at $23 \pm 2^\circ\text{C}$ and 40% relative humidity per desiccant unit	$\geq 0,25 \text{ g H}_2\text{O}$ (for ≤ 16 units) $\geq 0,10 \text{ g H}_2\text{O}$ (for > 16 units)	5.3.3	
4.2.3	Volume per desiccant unit	$\leq 45 \text{ cm}^3$	5.3.2	x
4.2.4	Weight per desiccant unit	$\leq 39 \text{ g}$	5.3.2	x
4.3.1	Strength	Bags must not burst or be damaged in any way resulting in a leakage of desiccant.	5.4.2	x
4.3.2	Version (type) A: dust proof per desiccant unit	$\leq 10 \text{ mg dust}$	5.4.1	x
	Version (type) B: dust free per desiccant bag	$\leq 1 \text{ mg dust}$	5.4.1	x
Activity protective casing				
6.2	Water vapour permeability in a climate chamber at $23 \pm 0,5 \text{ }^\circ\text{C}$ and $85 \pm 2 \%$ relative humidity to DIN EN ISO 15106-3 The sealed activity protective casing contains a moisture indicator to check activity which is set to 8 % relative humidity and must meet the requirements of TL 6685-003 edition 5, type 1 (Cobalt-II-chloride, colour change from blue to pink, accurateness $\pm 5 \%$ r.F).	$\leq 0.5 \text{ g}/(\text{m}^2 \text{ d})$		
6.5	Marking	See Annex B of the certification scheme	6.5.1 6.5.2	

Annex B Labelling

The desiccant bags and group packaging must be labelled according DIN 55473 (see table 2). Regarding the desiccant bags especially the certificate holder has to be clearly visible. A declaration of the weight is unacceptable.

Table 2: Labelling of Desiccant Bags / Group Packaging according to DIN 55473 and according to this certification scheme*.

Desiccant Bags	Group Packaging
Declaration of the content, desiccant DIN 55473.	Attention! Sensitive to humidity.
Name and address of the manufacturer or rather distributor.	Humidity indicator must be blue.
“DIN-Geprüft” certification mark in connection with the respective registration number.*	Open only immediately prior to use. In case of removal of part of the contents, immediately to re-seal the envelope.
Amount of desiccant units.	
Property of dust permeability (type A or type B).	

If a sub-certificate has been issued by DIN CERTCO the distributor in the sense of DIN 55473 is to be regarded as the manufacturer.

Distributors, who are not using their own name for distributing certified desiccant bags, do not have to apply for a sub-certificate. However, the following conditions apply:

It is not permissible that the name of the distributor:

- is larger and closer to the “DIN-Geprüft” mark than that of the certificate holder,
- is more clearly legible than that of the certificate holder,
- or is it to be suggested in any other way that it holds a (sub-)certificate.