

4. STANDARDISATION & CERTIFICATION IN PRESERVE

by Kristina Block
and Christian Schulz



The importance of standardisation **and certification** in a circular economy



DIN CERTCO GmbH

We create Confidence!

Certification in the Environmental Field



For over 40 Years Customers and Companies have placed their Confidence to us

Our marks stand for safety and quality!



1972

Foundation of DGWK
(Deutsche Gesellschaft für
Warenkennzeichnung mbH)



1995

Renamed to DIN CERTCO



2005

Fusion with TÜV Rheinland.
DIN retains 20 % of shares



2019

TÜV Rheinland acquired the
remaining percent of the shares
of DIN CERTCO

We create Confidence

In harmony with people, technology and environment

Competence and Transparency

- We document the safety and quality of new as well as certified products, persons, services and systems.
- We refer to DIN, DIN EN and DIN EN ISO-standards and other publicly available specifications, e.g. DIN SPEC.
- Our customers rely on our neutrality, independence and competence.

Our Competences

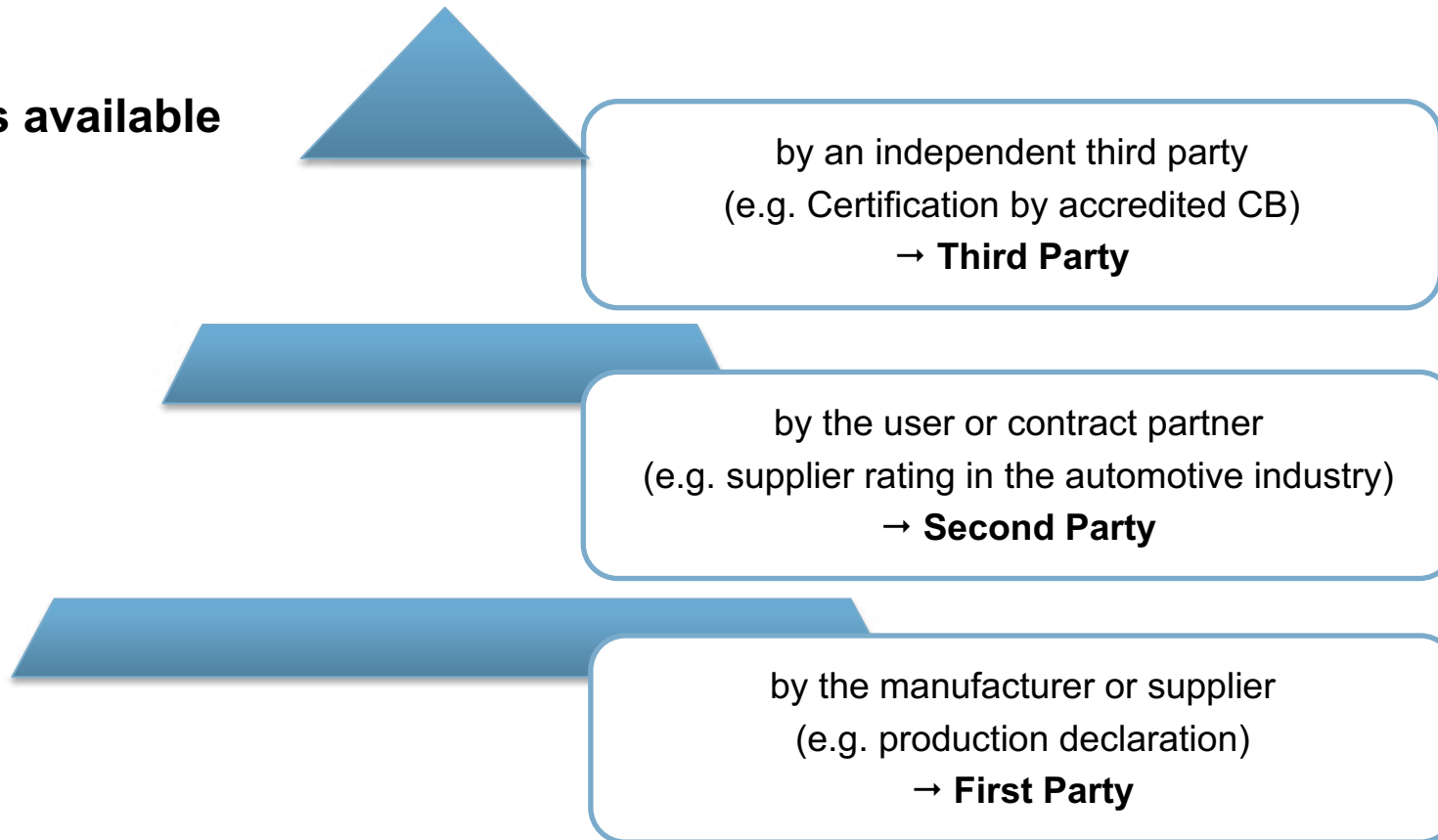
- Accredited to
DIN EN ISO/IEC 17065
DIN EN ISO/IEC 17025
DIN EN ISO/IEC 17021
- Recognized as “ÜZ-Stelle”
- Notified Body of the European Commission (0196)
- Empowered as certification body to grant the KEYMARK
- Administration and Management of KEYMARK on behalf of CEN

Our Certifications

- QM-System to DIN EN ISO 9001
- Information security management system to DIN ISO/IEC 27001
- Environmental management system to DIN EN ISO 14001
- Occupational safety and health management system to OHSAS 18001

What does Certification mean?

Certification is available



Certification Schemes

Marketing and solutions - as needed - to your advantage!



Our certification schemes comprise:

- Test criteria (e.g. DIN standards, DIN SPEC etc.)
- Certification conditions for award of the mark (e.g. definition of product types, sub-types, sampling, certification mark, validity etc.)
- Further technical requirements not specified in the standard (e. g. requirements relating to product geometry and design)
- Publicly available (www.dincertco.de)
- Can be easily adapted to suit changing conditions
 - Developed by interested parties in a certification committee

Certification in the environmental field

We make the difference!



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Biobased Products



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Biodegradable in Soil



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Home and Garden Composting



Industrial compostable products



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Additives



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Sustainable Biomass
ISCC, ISCC PLUS and REDcert



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PEFC™ CoC, PEFC™ FM



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FSC® CoC, FSC® FM

Certification in the Environmental Field

Where are your products located ?



Biobased Products

Materials derived from Nature



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Biobased products are fully or partly manufactured from natural raw materials and have a self-contained carbon dioxide cycle.

Among the finite fossil fuels are bio-based products an excellent alternative.

Basis of certification and scope of testing

- ASTM D 6866, CEN/TS 16137, ISO 16620-2
 - 14C-test (Radiocarbon)
 - Volatile Solids
- EN 16785-1
 - 14C-test (Radiocarbon)
 - Elementary Analysis

Industrially Compostable Products

Proof of industrial compostability



Whether shopping bag, garbage bag or disposable tableware - more and more products are made from biodegradable materials.

Show consumers with our signs that you are acting in the interests of the environment and the compostability of your products were confirmed by a neutral third party.



Basis of certification

- EN 13432 (mandatory)
- ASTM D 6400
- ISO 17088
- EN 14995
- ISO 18606
- AS 4736

Maximum scope of testing

- Chemical characterisation
- Biodegradability test
- Earthworm toxicity test (only for AS 4736)
- Disintegration under industrial composting Conditions
- Plant toxicity test

Products for Home and Garden Composting

One step ahead with DIN CERTCO



Products suitable for well-managed home and garden composting do not need specific technical optimization within the composting process.

Composting can therefore take place in your own garden.

Document with our neutral mark consistently high quality and give consumers a clear decision-making and guidance.

Basis of certification

- NF T 51-800 (French Standard)

Scope of testing

- Chemical characterisation
- Biodegradability test at ambient temperature
- Earthworm toxicity (only for AS 5810)
- Disintegration under composting conditions at ambient temperature
- Plant toxicity test



Products Biodegradable in Soil

One step ahead with DIN CERTCO



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New Certification System since 2018

Especially designed for mulching films which can be certified as products. Materials and intermediates can be certified as well.

Document consistently high quality and give consumers a clear decision-making and guidance with our neutral mark.

Basis of certification

- EN 17033

Scope of testing

- Chemical characterisation
- Biodegradability in Soil
- Plant toxicity test
- Earthworm toxicity test
- Nitrification test
- Mechanical tests (only for mulch films)



Certification recyclable packaging



The recyclability for packaging shows that those packagings can be selected, sorted and added to a recycling stream to be added to new products.

With this certification packaging are evaluated for their material composition, sortability and separability. Additionally the regional collecting system for each packaging stream is taken into consideration.

- Minimum standard for determining the recyclability of packaging subject to system participation pursuant to section 21 (3) VerpackG

Certification: Products made from recycled materials - flustix



- Based on audits at manufacturer's production site to verify:
 - The requirements on traceability of the used material according to DIN EN 15343
 - The requirements on determination of recycled content according to DIN EN ISO 14021
- Classification of Post-Consumer- und/oder Post-Industrial-Recyclates
- Confirmation that no mutagens or toxic substances were used in the production process
- Evaluation of the entire manufacturing process for the certified products

Further Information at unter www.dincertco.de

- Application form
- Certification Scheme
- Schedule of fees
- Flyer
- Certification holder
- FAQ

TÜVRheinland® DIN CERTCO

Products and Services | Testing Partner | Certificates and Registrations | About us

Search

WE CREATE CONFIDENCE!
DIN CERTCO is your partner for conformity assessment.

Heat Pump KEYMARK

Collector output label

Composting DIN

Contact
We would like to assist you.

Database
Here you will find all information about the valid DIN-certifications and registrations.

Certification Ideas
In cooperation with you we develop your market-driven solutions.

News | **Events**

- The Solar KEYMARK for hot water storage tanks – Your Key to Europe
- DIN CERTCO supports climate protection
- TÜV Rheinland Shanghai now

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80018 TÜV RHEINLAND

Thank you very much for your attention.

We are at your side!

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