

The coffee capsule, which consists of 100% renewable raw materials.



The coffee capsule consists of 100% **renewable raw materials**. This has been independently certified by DIN CERTCO independently with the seal „100% bio-based“ seal (test number 8C150)



The wood for the coffee capsules comes from sustainable, **PEFC-certified forestry** in southern Germany. The manufacturer uses wood fibers from residual products, such as sawdust



The coffee capsule does not contain fossil plastics (plastic). Therefore it is free from **microplastics** - also during decomposition can thanks to 100% bio-based ingredients no microplastic is produced



The coffee capsule can be completely returned to nature after use. Due to 100% renewable and biodegradable raw materials, technically nothing stands **in the way of disposal via the bio garbage can or compost**

The ecological added value of the wood fiber capsules

55%
less CO2 emissions
compared to
Aluminum capsules

In cooperation with worldwatchers, the capsule manufacturer has succeeded in making the first independent statement about the outgoing CO2 pollution. The result, including all relevant production steps of the different components as well as all logistic steps, is clear: This wood-fiber capsule can save at least 55% of the CO2 emissions compared to an aluminum capsule.

26%
less CO2 emissions
compared to
fossil plastic capsules

Compared to a petrochemically produced plastic capsule, at least 26% of the of CO2 emissions are saved. The CO2 emissions for the disposal of plastic capsules are not yet included in this value. Since plastic capsules rarely end up in the yellow bag empty of residue, the recycling rate is low and the majority is banned. If these emissions are also taken into account, a much higher value can be assumed.

100%
Green electricity for
Wood Fiber Capsule Production
in South Germany

The wood-fiber capsule manufacturer uses 100% green 100% green electricity from renewable sources for production. The electricity is demonstrably demonstrably from hydropower plants in the Alpine region with the legally prescribed environmental standards. The manufacturer thus sets the highest standards in terms of environmental protection and actively contributes to the energy transition.





A natural cycle,
created by the wood fiber capsule

Only renewable raw materials that originate from the cycle of nature are used, thus minimizing the footprint of the wood fiber capsule. The product cycle from value creation to recycling is thus also significantly optimized from a CO2 perspective.



1. Natural material wood

Wood is a great raw material - available in abundance in this country and therefore not needing to be imported. **Sustainably managed** in our forests, we will never run out of it. Softwood from southern German forests is used for the coffee capsule. When sawmills produce construction and furniture wood, large quantities of sawdust and wood shavings are produced. The manufacturer uses this residual product in its natural form as a raw material for the coffee capsules. These do not have to be chemically processed, no trees are felled and creates an additional value-added stage for this great natural material.

2. Binder made from vegetable starch

Of course, the manufacturer does not carve the coffee capsules from the solid - that would cause a considerable amount of waste. Therefore, the wood fibers have to be held together with a binder. For this, the manufacturer uses **PLA, a bioplastic made from natural plant starch**. This plant starch is obtained from corn and sugar beets. The PLA used is biodegradable. However, as the wood content predominates in the capsule, it decomposes more quickly than other bioplastic packaging.



3. Environmentally friendly manufacturing

The wood fibers can now be molded together with the PLA by so-called injection molding. In this process, the material is processed by heat and high pressure. Injection molding allows the manufacturer to completely avoid the creation of production residues. It is important to him that the production of the coffee capsules is also environmentally friendly. For this reason, the company pays attention to short distances and produces the entire product in Germany. The company uses only green electricity from hydropower plants in the Alpine region.

4. 100% organic-based

This results in the **innovative wood fiber coffee capsule**, which is certified by DIN CERTCO in the top category with the test result „100% bio-based“ (test number 8C150). The manufacturer thinks naturally holistically - the sustainable coffee capsules protect the coffee aroma and the outer carton also contains neither aluminum nor plastic. In addition, the wooden capsule manufacturer ships the product to its customers with DHL GoGreen.



This is what coffee enjoyment without a guilty conscience looks like and the cycle can start all over again.

