

Introducing

STANPAC



RECYCLABLE & COMPOSTABLE ICE CREAM PACKAGING

Designed as a sustainable solution for ice cream packaging, our Dispersion Barrier Coating (DBC) utilizes a proprietary aqueous dispersion barrier coating technology to replace the polyethylene coating widely used in paperboard cups and lids.

Cups and lids are Certified Recyclable by Western Michigan University (WMU), and are repulpable without any additional treatment or process.

The packaging can be composted within 12 weeks in an industrial composting facility.

**if you are considering adding a recycling or composting logo on your packaging, please read the accompanying information page.*



Industrial
Compostable

SFI Certified

Recyclable

Compatible
with Stanpac's
heat seal lids

Free of PFAS

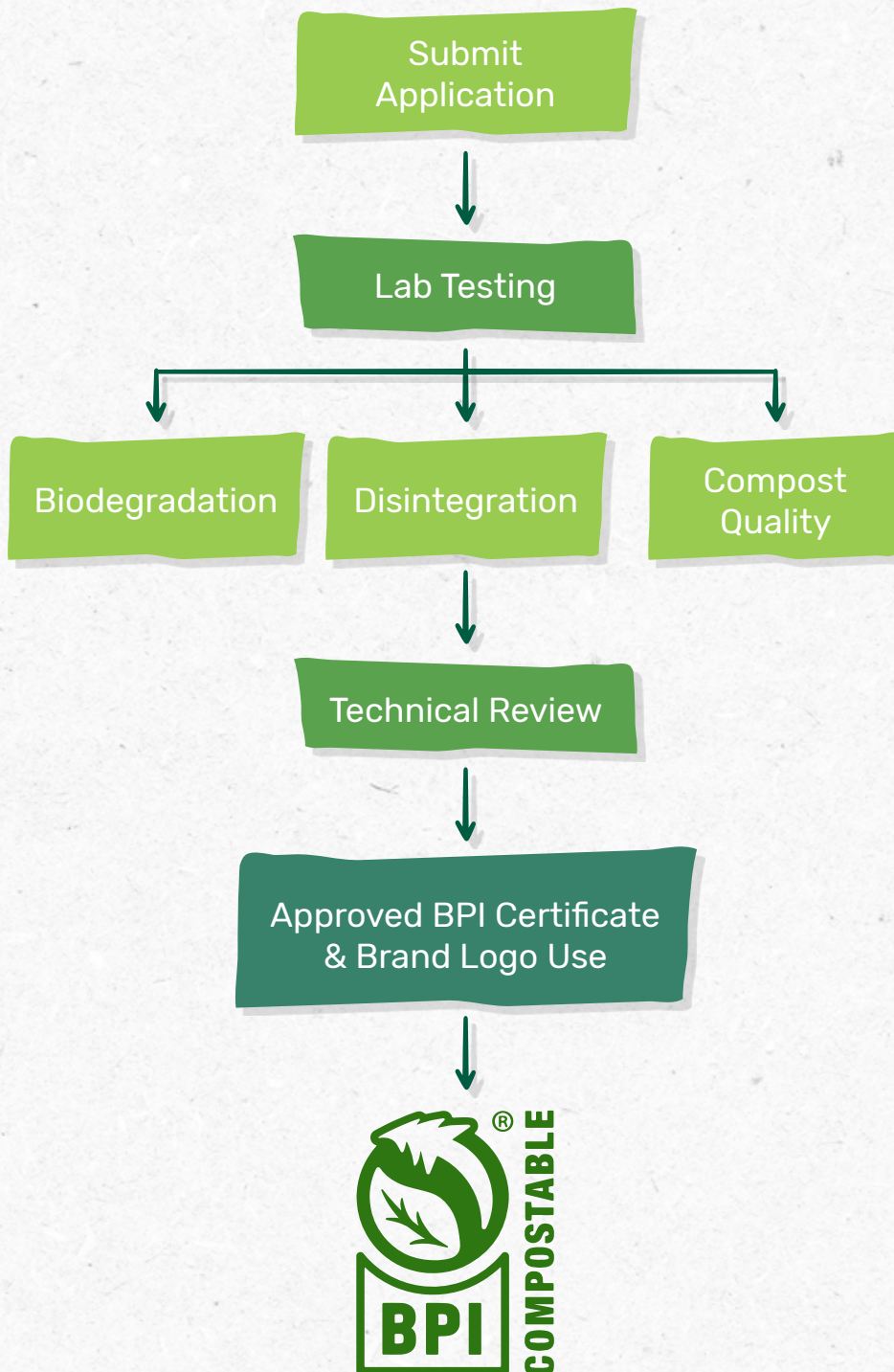
FDA Compliant

75 YEARS OF PACKAGING INNOVATION

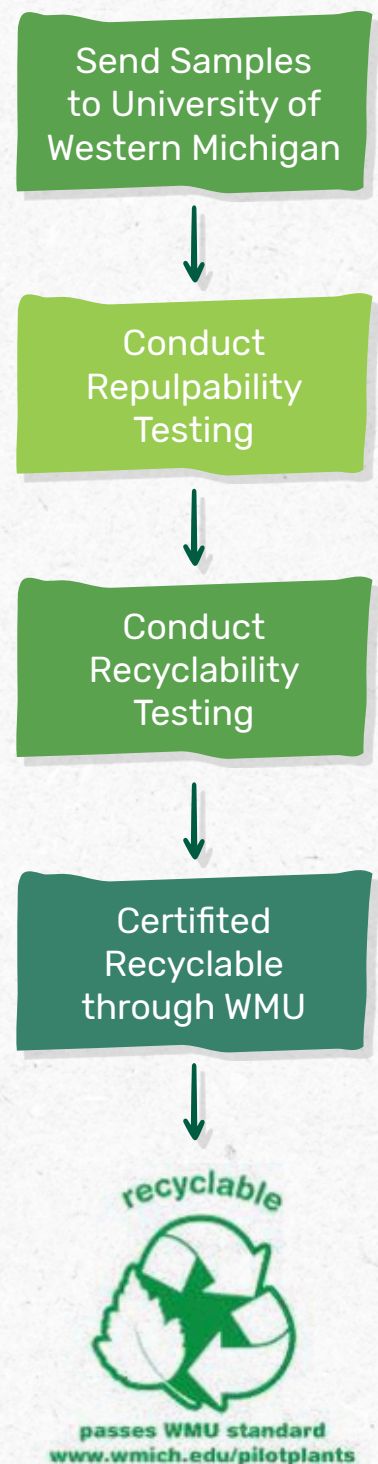
STANPACNET.COM | 905.957.3326



BPI Compostable Certification Process



Recycling Certification Process



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USING RECYCLING & COMPOSTABLE

LOGOS

As sustainability initiatives continue to gain the interest of consumers, and Extended Producer Responsibility (EPR) regulations are introduced in a number of States, brand owners, and producers of packaging are introducing new products and technologies at an increasing rate. Stanpac continues to explore numerous new technologies as they become available. The manufacturers of paperboard with alternative coatings to polyethylene continue to make progress.

The two areas that we are most interested in are improved recyclability and compostability. There are regulations and guidelines for using a **Recyclable** or **Compostable** logo on your packaging.

In the United States, the Federal Trade Commission (FTC) publishes a section relating to placing these logos or marks on your packaging. This section is called "The Green Guides".

<https://www.ftc.gov/news-events/topics/truth-advertising/green-guides>

There is also a group called How2Recycle that can assist you with how best to label your product. How2Recycle is a standardized labeling system that clearly communicates **recycling** instructions to the public.

<https://how2recycle.info/>



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Recycling



Stanpac has commercialized a Dispersion Barrier Coating (DBC) as a replacement for traditional polyethylene coatings that seal paperboard cups during the forming process and provide a moisture barrier. During the repulping process, when the container is turned back into fiber so it can be made into another paper product, the coating dissolves and can be easily removed. The coated paperboard that comes to us from the paperboard manufacturer is already certified as recyclable. When printing ink and varnish are added to the paperboard, it needs to go through the certification process again before a recycling logo can be applied to the package.

To obtain certification, the packaging must first be tested for repulpability, meaning that it is evaluated to determine the quality of the fibers produced during the recycling process. The testing looks at a range of factors including fiber length, strength, and brightness.

After successfully passing the repulpability testing, recyclability testing is conducted. The product is subjected to various processes that simulate different stages of the recycling process, such as collection, sorting, cleaning, and reprocessing. The testing evaluates how the product behaves at each stage and assesses factors such as material degradation, contamination, and the quality of the recycled material produced. The results of recyclability testing will indicate whether a product is suitable for recycling.

The final stage for certification lies with the brand owner ensuring there are facilities in the areas where the product is sold that do indeed recycle paperboard products. Information in "The Green Guides" and "How2Recycle" provides information and resources for this.

Composting



Dispersion Barrier Coating (DBC) paperboard is certified as compostable when it arrives at Stanpac. Again, once printing inks and varnish are added to the paperboard, it must go through the certification process again before a compostable logo can be used on the finished packaging. In North America, the guidelines require each component of the package to be tested separately. Paperboard, coating, printing ink, and varnish must all be confirmed as compostable.

Industrial composting involves a large-scale process where organic waste is broken down by microorganisms like bacteria and fungi. The process typically occurs in a controlled environment with specific temperature, moisture, and air circulation conditions to support the decomposition of organic materials.

The process aims to transform paper cups and other organic waste into nutrient-rich compost that can be used to improve soil health and support plant growth. Additionally, industrial composting helps divert waste from landfills, contributing to environmental sustainability.

Stanpac is working with Biodegradable Products Institute (BPI) to certify our DBC product as industrially compostable. To meet BPI's certification requirements, our product will undergo lab testing in accordance with ASTM 6400 standards. These tests will confirm that all components of our DBC product are safe for compost. The ASTM standard inspects biodegradation, disintegration, and compost quality.

Stanpac is working towards a BPI certification in the second half of 2027. Once we acquire this certification, it will be up to the brand owner to obtain a sub-license from BPI. This is to ensure that the product residue inside the packaging is compostable. This sub-license can generally be obtained in several weeks.

For more information visit
<https://bpiworld.org/composting>

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