

As a result of innovation and listening to consumer needs, we have created the first “marine” biodegradable and home compostable AGAVE straw enabling us to surpass previous limits and emerge as pioneers in the realm of fiber-based products.

HOME COMPOSTABLE
PHA AGAVE

STRAWS



HOW IS PHA MADE?

PHA is a type of bioplastic engineered by Danimer Scientific and made from the fermentation of plant oils like canola or soy. Their proprietary process is wholly sustainable and renewable, representing a superior beginning and end-of-life compared to traditionally-made single-use plastics.

HARVEST



It starts by harvesting the canola or soy seeds, which are then crushed to create an oil.

FERMENTATION



Naturally occurring bacteria in the soil ferments the seed oil, which is separated, purified, and dried to create PHA feedstock.

TRANSFORMATION



These microbes transform plant oils and starches into polymer chains that are harvested and refined into biodegradable plastic pellets.

TESTING



Our quality shines through rigorous manufacturing and lab testing, guaranteeing product durability, performance, and environmental adherence.

DECOMPOSITION



When the product is exposed to microbial activity, it will decompose; hence it will break down in home compost, industrial compost, soil (landfills), freshwater, or saltwater.

ADAPTATION TO EXISTING INFRASTRUCTURE



Our products are designed to seamlessly integrate with current waste disposal systems, eliminating the need for specialized disposal methods.



HOT & COLD

In both cold and hot beverages, ranging from 0° to 80° celcius.



DEGRADABLE

PHA agave straws are meant to degrade in any environment.



FSC CERTIFIED

All fibers used in our products are FSC certified.



VARIANTS

Available in 2 different diameters and 3 lengths.



CERTIFIED

Our PHA agave straw is certified for home compostability by TUV Austria.



OEM AVAILABLE

Contact us for more information at sales@greenprintproducts.com