

TURTLE SUGARCANE ORGANIC STRAW

100% organic biodegradable straws, made from sugarcane plant cellulose

CONTENT



Introduction to the straw
Superiority & CO2 Neutral
Value-added
Product specifications
Packaging
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INTRODUCTION



100% Natural Sourcing

Leftover organic sugarcane fibres

Do Not Get Soggy

Compostable

Fits SGS-FDA Standards



INTRODUCTION - Process



Sugarcane



Sugar



Sugarcane fibres
+ Bio-material



Sugarcane
Straws



After
use



Compost

INTRODUCTION - Guidelines



Suggested Shelf Life

24 months at least (under sealed conditions)

Storage

Keep in a dry place at max. 35 °C and avoid direct sunlight

Heat Resistance

Can resist up to 80 °C, suitable for both cold and hot beverages

Durability

Wont get soft at all contrary to any paper or cardboard straw

SUPERIORITY

1 Compostable

Derived from renewable resources, eco-friendly, bio-degradable and even compostable under the right conditions

2 100 % safe

Passed the food safety standard & non 5P test (PP, PE, PS, PVC, PET), Gluten free

3 Easy to identify

Taste- and Flavourless; visible plant fibres makes it easy to distinguish from plastic straws, nice surface feel

4 Do not get soggy

Unlike paper and cardboard straws, the sugarcane straw will not soften and get soggy

5 The 3 “Lows”

1: Low Negative Environmental Impact,
2: Low Carbon Footprint, 3: Low Energy Consumption



SUPERIORITY

6 **co2 neutral**

The steps involved in turning atmospheric CO2 into sugarcane, sugarcane into bagasse, and bagasse into tableware. As with all plant-like photosynthetic processes, carbon dioxide is used as the carbon source. The environmental benefit of this process is obvious, since it removes CO2 from the atmosphere and fixes it into plant biomass. Therefore the original carbon source for bagasse products is atmospheric CO2, whereas for typical plastic tableware the original carbon source is petrochemicals, which transform carbon that was fixed back into atmospheric CO2 without the concurrent sink of carbon associated with photosynthesis.

Sugarcane is a perennial grass. It takes 12 to 18 months to mature in tropical and sub-tropical regions.

After harvest, sugarcane is processed to extract the sugar and molasses fractions, and the waste biomass is called bagasse.



VALUE-ADDED

Patented

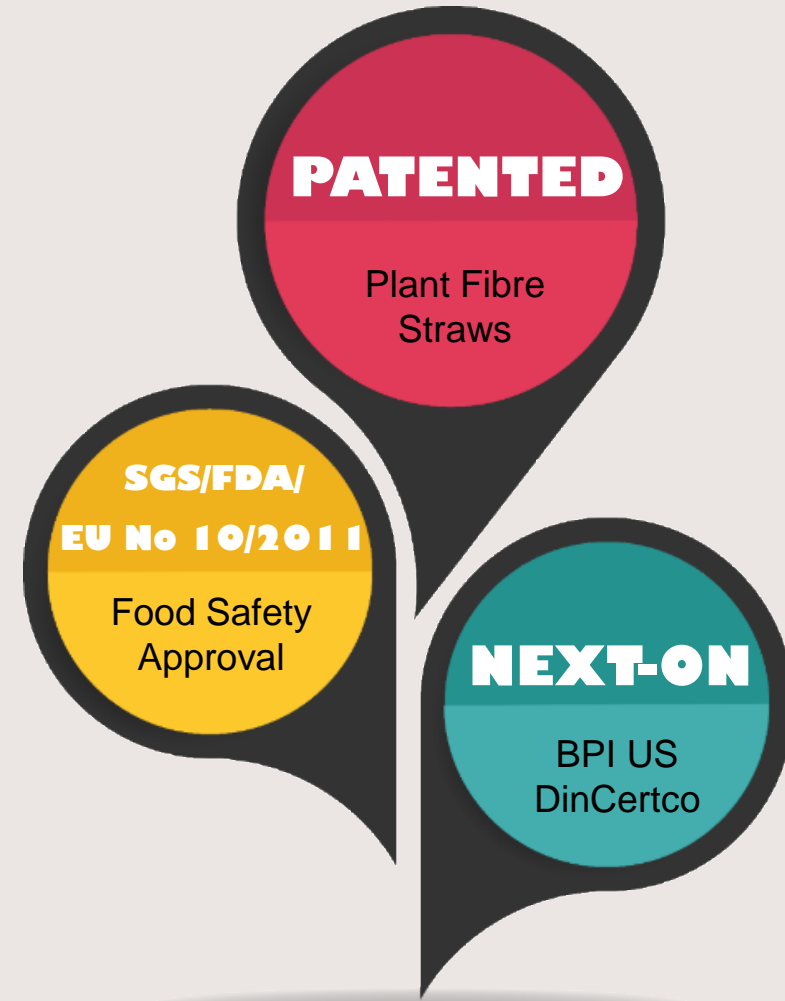
The first developed eco-straw with natural fibres.

Controlled

The whole production is rigorously controlled for the best quality

Certified

The product is BIO-certified and FDA Food Safety Approved



PRODUCT SPECIFICATIONS

Turtle Sugarcane Straws:



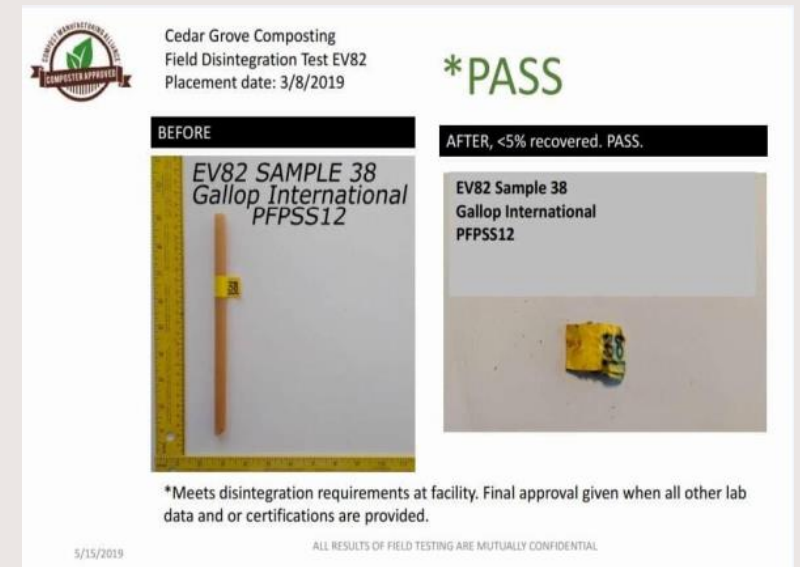
PACKAGING



COMPOSTING PROCESS



COMPOSTING PROCESS

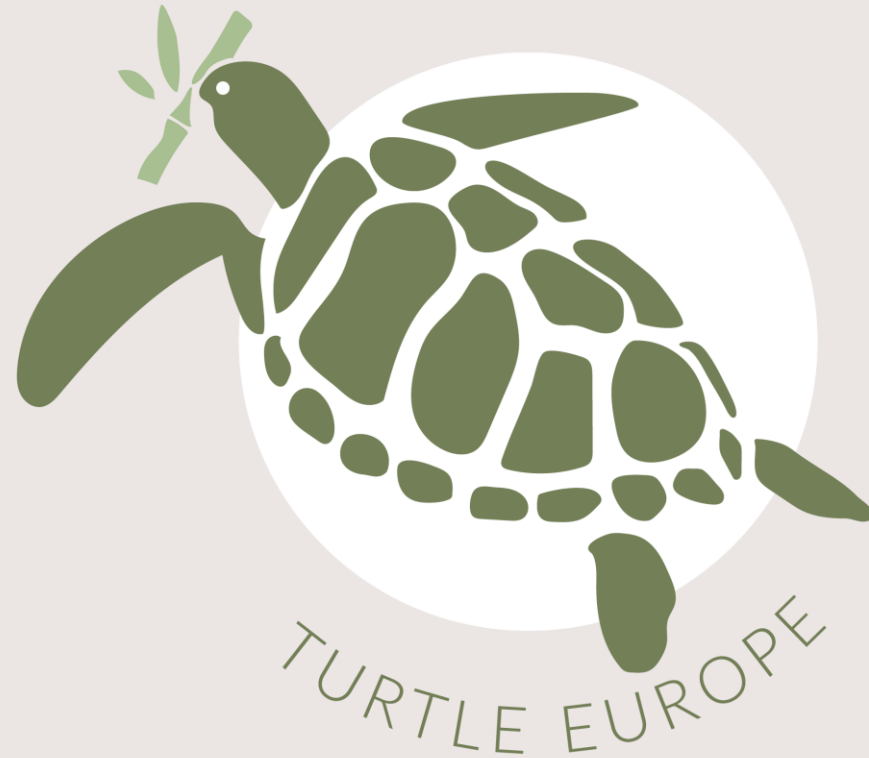


Future Sugarcane Products

Development is on

Cutlery, food containers, cups and other tableware made from Sugarcane is under development





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