



Ecodyne Tableware

Tableware from Fallen Leaves

- Sustainable
- Durable
- Versatile





Ecodyne Tableware

While we can't promise that your meal will be guilt-free, we can promise that your tableware will be.

Our environmentally friendly plates, bowls and serving dishes are made only from two products: fallen leaves and water. They're non-toxic, biodegradable, compostable, durable, lightweight, convenient and downright stylish.

According to *TIME* magazine, "Americans trash an estimated trillion disposable plates and utensils every year." This fact has driven new, eco-friendlier options into the marketplace.

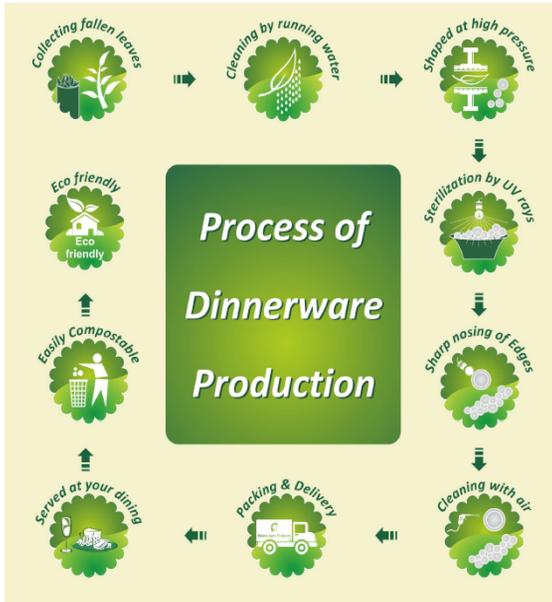
For hundreds – if not thousands – of years rural Indians have used fallen leaves from the indigenous areca palm tree as disposable dinnerware. The leaves are gathered, soaked, cleaned, then heated and molded. When all of the moisture has been squeezed out, the leaves retain the shape of the mold. After use, the leaves are composted, with biodegradation occurring in just six weeks.

- Durability – the leaves used are extremely strong, do not melt, “bleed” moisture or deform in the sun, and can even be used in the microwave or heated in the oven
- Beauty – these plates are extremely attractive and each one is different, just as each leaf is different;

consumers perceive the plates to be a premium product

- Sustainability – the plates are the most sustainable disposable products on the market (“it’s hard to beat a leaf!”) and compare favorably to all other “green” competitors
- Affordability - Independent catering services and caterers at universities, corporations and restaurants who find paper, plastic and foam too informal for their guests and yet find china impractical (especially for large or outdoor events); on a relative, per-event basis.





How we create Ecodyne Tableware

Cleaning and Sterilization of fallen Palm Leaves:

Every palm tree naturally sheds 6 to 7 leaves a year. The leaves undergo a cleaning process, which is accomplished through pressurized water and further soaked in spring water to remove the impurities. These leaves are pressed in an advanced hydraulic heavy-duty machine using CNC dyes to get desired shape. In this process the palm leaf is heated to 180°C thereby heat sterilizing the plates. Then the plates are carefully checked by the quality inspection team to remove the plates with manufacturing defects such as partially sterilized, has no fine sharp curves and of course rarely tiny holes on the plate.

Edging and UV Treatment:

The carefully selected plate's edges are carefully nosed with the nosing machine to obtain clean and smooth edges for the plate, the plates are cleaned by applying high pressure air on the plates to remove dust particles completely which may have formed during the nosing process. To ensure safety further the plates undergo UV sterilization to get hygienic elegant disposable Tableware of various shapes and sizes in accordance with

the customer's requirements. After the UV sterilization, the plates are packed in hygienic carton boxes with silica gel pouches, those are placed in a manner which is they don't come in contact the plates, this is done to avoid the formation of fungus, virus, bacteria inside the carton boxes. Then the product shipped to customer with hassle free transport facilities.

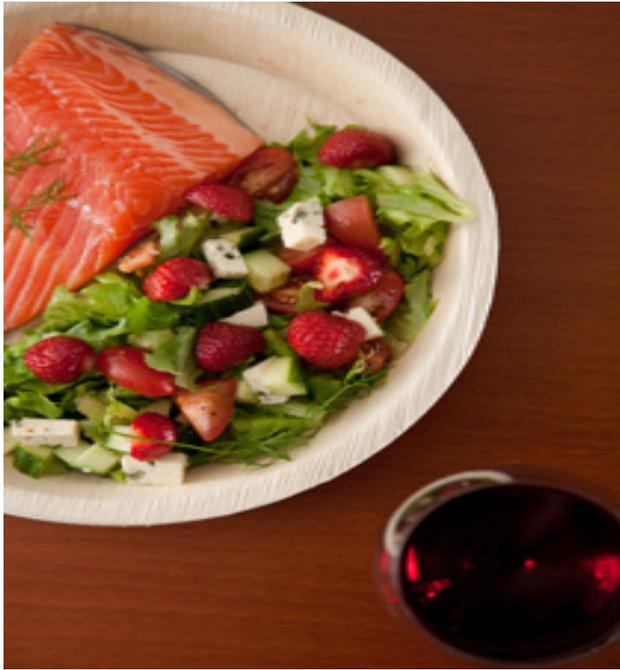
No Chemicals:

In this total process there are no trees cut or harmed at any stage of manufacturing and no chemicals, resins, gums, toxins, lacquers or stabilizers are used in the process.

Only Natural:

Each leaf is unique in pattern and color ranging from pearly whites, golden beige's and earthy browns streaked with silver strains and embedded with natural grains-lending each product an exclusive charm and elegance. As our products are derived from a natural source, slight variations in color and thickness occur, as each frond is different from every other one. Available in an assortment of shapes and sizes to suit all your food serving needs, their beauty will lend style and grace to any table or buffet.





Quality Assurance, Certification and Testing*

Ecodyne Tableware has undertaken and passed the most stringent tests for safety and environmental concerns. Below is an overview of the testing, the results and what they mean. Our testing into 2 groups: those that have to do with health and safety (both testing and precautionary measures) and environmental testing.

Health & Safety Testing

Anaerobic Plate Count - APC35C

Test: Coliform and Yeast/Mold testing

Result: Passed. All tests showed at below the minimum detectable amounts.

PhytoSanitation

Test: Before shipping, the container is fumigated and tested for safety. To be exported, the test is done before container stuffing is done.

ASTM D-6400

Test: Health, Composting and Composition. Maximum thickness of 2.8mm (2x the thickness of our standard product) using FTIR infrared

spectrometry, ash testing and AA (Acid Ash) heavy metals testing.

Result: Ecodyne tableware was shown to pass against the standards for all 13 heavy metals. Ecodyne products are rated well below the acceptable level.

Compostability Testing

ASTM D-6866

Test: Biological material testing

Result: Bio-based determination showed a result average of 100%.

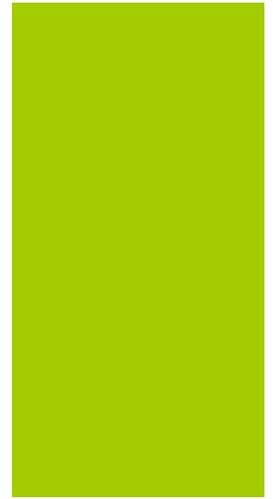
Explanation: Ecodyne products are completely natural. There are no additives, plastics, waxes or glues.

ASTM D-6868 with pre-screening of ASTM D-6002 per OECD 208

Test: Compostability and safety of composted material—summer barley used as the germinating spore.

Results: Passed with 92% in 14 days. Additionally, plant growth was 66% greater than the base line soil test and 32% greater than the compost alone test.

*All Ecodyne Product manufacturing processes comply and adhere to stringent testing procedure as mentioned above. Any further tests or testing required by the customer will have to be done by the customer at his expense.



The Product Line

<p>4" Round 10cm x 2.5cm Depth</p>	
<p>6" Round 15cm x 2.5cm Depth</p>	
<p>8" Round 20cm x 2.5cm Depth</p>	
<p>10" Round 25cm x 2.5cm Depth</p>	
<p>12" Round 30cm x 2.5cm Depth</p>	

<p>4" Square 10cm x 10cm x 2cm Depth</p>	
<p>6" Square 15cm x 15cm x 2cm Depth</p>	
<p>8" Square 20cm x 20cm x 2cm Depth</p>	
<p>10" Square 25cm x 25cm x 2cm Depth</p>	

<p>5" Square Canopy 13cm x 13cm x 2.5cm Depth</p>	
<p>7" Square Canopy 18cm x 18cm x 2.5cm Depth</p>	
<p>9", 8", 6" Round Shallow 1.5cm depth</p>	
<p>6", 5" Oval Café</p>	
<p>7" Bowl 18cm x 3.5cm Depth</p>	



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