ENVIRONMENTAL AND PRODUCT DATA SHEET

Product
"Alga" paperboard boxes and trays with seaweed coating.

Alga is a versatile range of next-generation sustainable food packaging made from Kraft paperboard and a natural seaweed coating void of any chemical modification.

Material
Unbleached virgin fibers
Coating based on seaweed

Packaging
Inner: Polyethylene PE
Outer: Corrugated board box

Field of Application
The coated trays can be used safely for the following conditions of use:

- Packaging high oil content foods including fried foods, cakes, sandwiches and salads. Use for high water content foods, e.g. soup, is not suitable.
- Both for cold and hot food, highest recommended temperature is 90°C. Can be used for microwave heating, but make sure not to exceed 90°C.
- Best performance of the trays is when instantly used after filled with food. Recommended time of use is up to 3 hours due to material sturdiness.
- It is safe to put the trays in the fridge but bear in mind that oil or water breakthroughs may occur over 24 hours if they contain oily or watery foods.

EC Directive 94/62/EC on Packaging and Packaging Waste
The packaging complies with all essential requirements as defined by 94/62/EC. For example, minimum adequate amount of packaging, limitation of heavy metal content, recyclable through at least one of the following: reuse, material recovery, energy recovery or composting.

Environmental Aspects
Product
The tray is made from European sourced virgin FSC certified paper.

The coating used for the Alga box, trays and clamshell is recognized as plastic-free under the Single Use Plastic Directive (SUPD) and garners a 70% reduction in CO_2e (carbon dioxide equivalent) compared to plastic (PP) alternatives.

Duni AB • P.O. Box 237 • SE-201 22 Malmö • Sweden
Phone +46 40 10 62 00 • Visitors Ubåtshallen, Östra Varvsgatan 9a • Duni.com
Org.No. 5565367488 • Reg.Office Malmö

DUNI GROUP
P.O. Box 237 | SE-201 22 Malmö | Sweden
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PFAS (per- and polyfluoroalkyl substances) are not being used in any step of the manufacturing of the cups or bowls.

The Alga range is made in collaboration with Notpla and manufactured in the United Kingdom.

Packaging
Polyethylene is a polymer produced from refining of mineral oil or natural gas. The polymer consists simply of carbon and hydrogen.

The corrugated board box is made from wood, which is a renewable resource.

Product Safety
The product fulfils the following:

- EU Regulation 1935/2004/EC, Material and products intended for contact with foodstuff.
- EU Regulation 2023/2006/EC, Good Manufacturing Practice.
- EU Regulation 10/2011/EC with amendments, Material and products of plastic produced for contact with foodstuff. Migration tests on the article material performed by an independent institute showed that under appropriate test conditions, overall and specific (when relevant) migration falls considerably below the limit given by regulation 10/2011. For further details, see Declaration of Compliance.
- Duni manufacturing units are certified according to the international quality system ISO 9001 and environmental system ISO 14001 14001 as well as to BRC for hygiene.

No allergens can be identified in the alginate used and products are in compliance with Regulation (EU) No 1169/2011 on the provision of food information to consumers.

Due to the natural origin of the raw material and specific production method minor variations on material colors, evenness and material distribution may occur. This does not affect product quality or product safety.

Management of Used Products
Recycling
Collection, sorting and material recovery are all part of the recycling process and offer the material to be used again. Therefore, if paper recycling is available, please recycle to further improve sustainability. Try to make sure any visible food is wiped away before discarding it into the recycling bin.

Packaging material can be recycled as plastic and cardboard. However, recycling is dependent on local waste handling infrastructure. Consult with a local waste handler for the most suitable recycling recommendations.

Energy Recovery
Incineration facilities for energy recovery are dependent on local infrastructure. Incineration for energy recovery is a good alternative when material recovery is not available by recycling.

Incineration of mixed waste for energy recovery is a good end-use of products. Paper and plastic may burn well with low emissions.

Compostability
The material has been evaluated for aerobic qualitative disintegration test in compost at ambient temperature. The purpose of this test is to evaluate the disintegration of a material at ambient temperature in compost. Based on the results of the qualitative disintegration test in compost at ambient temperature, it could by an independent institute be concluded that boxes and trays have the potential to reach the 90% disintegration pass level as prescribed by NF T51-800 (2015) and AS 5810 (2010) when tested quantitatively.

The products do not currently hold any third-party certification for home compost feasibility.

Handling and Storage
The product should be kept in its original packaging.
Recommended storage conditions: The boxes should be stored in a cool, dry place with humidity preferably under 50% within 12 months.

Validity
This document is issued 2024-03-15. It is revised when there is a change in the manufacturing process, in the product feature or in legislation.