

**BIOPAP**<sup>®</sup> naturally high tech

BIODEGRADABLE  
COMPOSTABLE  
RECYCLABLE



Natural

ENVIRONMENTAL FRIENDLY FOOD CONTAINERS:  
COMPOSTABLE, BIODEGRADABLE, RECYCLABLE

## ABOUT US - OUR MISSION



**BIOPAP®** is the result of what we believe in.

**RESPONSABILITY** towards our planet and its inhabitants.

**SUSTAINABILITY** to bring up the value of the natural resources to improve the environment and guarantee the future generations.

**AWARENESS** to work together to increase well-being and safety.

Since 2003 we are engaged on preserving the environment by consciously using renewable resource for us and future generations.

From this commitment the BIOPAP® range came up: **a system of biodegradable and compostable food trays and containers with high performances, made of renewable raw materials.**

The unique features of BIOPAP® single-use and re-use containers, make our system ideal for preparing, storing and consuming food of today and tomorrow.

**BIOPAP® containers are compostable:** at the end of their life they turn into compost to allow the birth of new trees, new vegetables and flowers in a natural substrate.

**We permanently invest in R&D** to improve our products and process efficiency.

**Our buildings** have been designed with bioclimatic criteria, using only natural materials such as wood and stone, with the aim of minimising energy consumption.

**The energy** produced by our photovoltaic system covers our needs.

**Natural light** is guaranteed throughout the day by the windows positioned along the entire perimeter.

**The walls**, in the new PLS material (wood chipboard and silica) allow a high thermal inertia and excellent insulating performance.

**The factory vegetable garden** is a forerunner of urban gardens promoted by the new vision of sustainable cities.

NATURALLY HIGH TECH

CIRCULAR ECONOMY WITH BIOPAP®

COMPOSTING



**BIOPAP®** naturally high tech

REHEATING



BIOPAP®



DEEP FREEZING



DUAL OVENABLE



**Recyclable** **Natürlich** **Wiederverwendbar**  
**Naturele** **Biodegradabile** **Compostabile** *Hygiénique*  
*Riuso* *Réutilisable* *Compostabile* *Naturel* *Hygiénique* *Usage alimentaire*  
*Moins de déchets* *Naturel* *No spreco* **Riciclabile** **Degradabile**  
*Hygienic* *Riciclabile* *Food compatible* **Compostabile** **Riuso**  
*Usage alimentaire* **Dégradable** *no waste* **Compostabile** *Igienico*  
**Recyclable** **Kompostierbar** **Lebensmittelecht**  
*Hygienic* **Riuso** *Igienico* **Umweltfreundlich** *Reutilizable*  
**Biodegradable** **Naturel** **Compostabile** *Dégradable* *Moins de déchets* **Para comida**  
*Food compatible* **Hygienic** **Riuso** **Menos desperdicio**

# SUSTAINABLE IS POSSIBLE



## and EFFICIENT!

### ADVANTAGES FOR THE CONSUMER, INDUSTRY AND CATERING

BIOPAP® containers are hygienic and disposable, they are extremely versatile as they can be used from freezer to any kind of oven. They are effective: use them for food preparation, deep freezing / conservation, reheating, and consuming food directly in the container. Once used as a dish they can be easily disposed of in both the biodegradable kitchen waste, or the paper bin, if clean.

### ADVANTAGES FOR THE INDUSTRY

BIOPAP® trays are the solution for the most demanding food packaging applications with operating temperatures from  $-80^{\circ}\text{C}$  to  $+215^{\circ}\text{C}$ . They offer a real service to the user and enhance the value of their content. They are totally environmental friendly with a higher perceived image for the consumer. They are multifunctional and allow a reduction of packaging by being primary packaging, presentation packaging, baking tray and dish at the same time. The unique features of BIOPAP® trays are a marketing tool for the final product they contain. They are the natural choice for organic food: BIO FOOD IN BIOPAP® TRAYS.

### ADVANTAGES FOR THE ENVIRONMENT

BIOPAP® products are environmental friendly using renewable raw materials and renewable energy, a significant step ahead in terms of environmental impact reduction of food packaging compared to all the other traditional materials. Easy to dispose of, BIOPAP® containers, are DUAL OVENABLE, recyclable, biodegradable and compostable. If left to the nature, they dissolve under the effect of natural agents without harming water or soil.

### ADVANTAGES FOR COMMUNITIES AND PUBLIC ADMINISTRATION

The Local Governments can take advantage of the use of environmental friendly food containers by specifying them in tenders for schools, hospitals and public canteens. This will increase environmental awareness of the users, ease the waste management and its costs whilst encouraging compost use in agriculture as an alternative to non sustainable fertilizers.

# THE PRODUCT

- ✓ **BIOPAP®** trays have been developed for industrial, catering and domestic applications. From freezer (-80°C) to the oven (+215°C) both traditional and microwave.
- ✓ Our trays are mono-material, completely biodegradable, recyclable, compostable and printable.
- ✓ They can be top sealed with different closing systems:
  - ✓ BIO film or traditional film
  - ✓ Sealable paper lids
  - ✓ Easy clip lids (manual closing)
  - ✓ Flow pack



**TRAYS SIZES  
AND FORMATS**



## Typical uses of BIOPAP® trays:

- ✓ Fresh and Organic food
- ✓ Deep freezing industry
- ✓ Delicatessen
- ✓ Collective catering: school canteens, company canteens, air and rail catering, hospitals, kindergartens, elderly homes, and social houses
- ✓ Cooked meals
- ✓ Take away food or home deliveries
- ✓ Domestic use



BIOPAP® trays LP and LC are dual-ovenable

TRADITIONAL  
OVEN

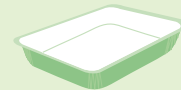


MICROWAVE  
OVEN



Temperature resistance

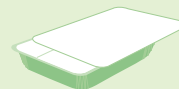
From -80°C



to +175°C **LC LINE**  
to +215°C **LP LINE**

Closing systems

Manual



Heatsealing with lids  
and films



# BIOPAP® TRAYS

SPECIFIC LINES FOR INDUSTRIAL AND PROFESSIONAL CATERING,  
TAKE AWAY AND DOMESTIC USE

BIOPAP® MEANS HYGIENE  
AND QUALITY

Why?  
• Because one BIOPAP®  
eco-friendly container serves  
the whole food process:

food preparation, cooking,  
preservation, deep-freezing,  
regeneration, transport and  
eating.

• It is printable: it promotes the  
brand and the quality of the  
content.



Vegan

NATURALLY HIGH TECH  
NATURALLY BIOPAP®

- It is fat and moisture proof, resistant to extreme temperature from -80°C to 215°C (LP) and from -80°C to 175°C (LC), and dual-ovenable (traditional and microwave).
- It is heat-sealable with Biofilm, traditional films and hard lids.
- It does not burn the fingers and keeps food temperature longer.



BIOPAP®  
IS ECO-FRIENDLY

- It is a totally natural food container.
- It comes from European renewable certified forests and regenerates itself into compost thus enhancing the growth of the crops.
- It gives value to food waste.
- It performs the carbon cycle without waste

BIOPAP® COMPLETES  
WITH THE RULES

- Produced in Italy according to REG CE 2023/2006.
- Compostable according to UNI EN 13432:2002.
  - CIC certification.
- Recyclable according to ATICELCA® 501 UNI 11743:2019 certification.
- Certified biodegradable in anaerobic environment, suitable for methanization.



CIC

CERTIFIED COMPOSTABLE  
ACCORDING TO UNI EN 13432:2002  
By Italian Composter Association

CLOSING SYSTEMS  
FOR LC AND LP  
LINE TRAYS

CT - EASY CLIP



BDF



FILM



# BIOPAP® EASY-SYSTEM



CERTIFIED COMPOSTABLE  
ACCORDING TO UNI EN 13432:2002  
By Italian Composter Association



## ✓ 3 BIODEGRADABLE AND COMPOSTABLE BIOPAP® LC TRAYS

- LM-04 LC - 455 cc - 128 x 145 x 50 (h)
- SI-17 LC - 595 cc - 147 x 170 x 45 (h)
- LM-05 LC - 865 cc - 145 x 203 x 50 (h)

## ✓ SEMI-AUTOMATIC THERMO-SEALING MACHINE

- **Safe:** no risk of burn or abrasion
- **Easy use:** just push in and pull out the drawer. The sealer will do the rest.
- **Fast sealing and cutting cycle**
- **Precise:** sealing time and temperature are digitally set

## ✓ MODULAR MOULD: FAST AND PRECISE (3 POSITIONS)

- 3 BIOPAP® tray sizes can be sealed with one modular mould only

## ✓ COMPOSTABLE TRANSPARENT SEALING BIO FILM

- One single reel serves 3 tray sizes
- Easy reel change

FLOW-PACK



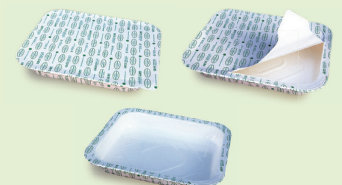
SL



SLW



MT



# BIOPAP® EASY-CATERING



✓ **BIOPAP® EASY-CATERING IS THE SOLUTION THAT ALLOWS TO THERMOSEAL AN ENTIRE FAMILY OF BIOPAP® TRAYS WITH A SINGLE MOULD:**

- 1) SI-14 LC: 1240 cc | 190 x 247 x 37 (h)
- 2) SI-20 LC: 1545 cc | 190 x 247 x 47 (h)
- 3) SI-16 LC: 441 + 654 cc | 190 x 247 x 37 (h) with double compartment 1/3 + 2/3
- 4) SI-21 LC: 545 + 545 cc | 190 x 247 x 37 (h) with double compartment 1/2 + 1/2

✓ **TERMO-SEALING SYSTEM**

- 1) With biodegradable and compostable film
- 2) With biodegradable, compostable and printable Easy-Open hard cardboard lid



# THE BIODEGRADABLE AND COMPOSTABLE BIOPAP® DISH

BIOPAP® LP COMPOSTABLE AND BIODEGRADABLE DISH FOR KINDERGARTENS, SCHOOLS, COMMUNITIES

BIOPAP® MEANS HYGIENE AND QUALITY

- Sound structure.
- Ideal for hot filling.
- Microwave ovenable.



Aticelca® 11186-0001



CERTIFIED COMPOSTABLE  
ACCORDING TO UNI EN 13432:2002  
By Italian Composter Association

NATURALLY HIGH TECH  
NATURALLY BIOPAP®

- The sustainable choice for nurseries, schools, hospitals, canteens, etc.
- Compostable, biodegradable, recyclable.



BIOPAP® IS ECO-FRIENDLY

- It is a totally natural dish.
- It comes from European renewable certified forests and regenerates itself into compost thus enhancing the growth of the crops.
- It gives value to food waste.
- It performs the carbon cycle without waste

BIOPAP® COMPLIES WITH THE RULES

- Produced in Italy according to REG CE 2023/2006.
- Compostable according to UNI EN 13432:2002.
- CIC certification.
- Recyclable according to ATICELCA® 501 UNI 11743:2019 certification.
- Certified biodegradable in anaerobic environment, suitable for methanization.

Finally, we have a fully sustainable, **European compostable dish!**

Raw material coming from nordic forests guaranteeing **biodiversity: no pesticides.**

**100% hygienic** - especially designed for safe food supply in kindergartens, nurseries, senior homes.

Compostable: **best use** in open air gatherings and parties.

# BIOPAP® WRAP PAPER

IDEAL FOR WRAPPING CHEESE, CHARCHUTERIE,  
FISH, GASTRONOMIE DELICACIES



- BIOPAP® Wrap is the ideal biodegradable, compostable and recyclable wrapping paper for conserving food:
- ✓ cheese continues its ripening process and mold formation is delayed.
  - ✓ Meat keeps its best aspect longer.

BIOPAP® Wrap is made of **paper from Nordic**, well managed **forests**.

- ✓ **Not lined** with plastic foil.
- ✓ **Moisture** resistant.
- ✓ **Easy** to handle.
- ✓ **Biodegradable, recyclable, compostable.**
- ✓ **Multilanguage** printing.

**BIOPAP® WRAP dispenser box**  
cm 35x25: 2.000 sheets for dispenser box  
cm 35x50: 1.000 sheets for dispenser box



## LATEST BIOPAP® NOVELTIES

BIODEGRADABLE, COMPOSTABLE, RECYCLABLE BOWL



170 CC  
Ø 95 X 40 MM



460 CC  
Ø 160 X 40 MM



1027 CC  
Ø 185 X 60 MM



The compostable solution for new extraordinary haute cuisine,  
vegetarian and vegan recipes

**BIOPAP® bowls for best quality foods:**  
gourmet menu, gourmet salads, fruit salads, soups and velvety soups  
but also poké, vegan cuisine and desserts.

**BIOPAP® bowls are biodegradable, compostable, recyclable and also sealable  
to guarantee perfect hygiene**



COMING  
SOON...

BIOPAP® MODIFIED  
ATMOSPHERE PACKAGING

• HIGH PERFORMANCE - PATENTED INNOVATION

• BIOPAP® MAP, it's the new patented tray cellulose-based for food industry.

This innovation is the result of a mix of raw natural materials and peculiar technology: oxygen barrier is guaranteed by an excellent sealing and durability.



CERTIFIED COMPOSTABLE  
ACCORDING TO UNI EN 13432:2002  
By Italian Composter Association

BIODEGRADABLE, COMPOSTABLE  
AND RECYCLABLE TRAYS SUITABLE FOR  
MODIFIED ATMOSPHERE PACKAGING (MAP)

| EUROPEAN PATENT N° 3278972 |

## BIOPAP® APPLICATIONS

• **BIOPAP® FOR WARM DELIVERY**



• **BIOPAP® FOR COOK&FREEZE**

• **BIOPAP® FOR COLD DELIVERY**



• **BIOPAP® READY MADE FROZEN MEALS**

• **BIOPAP® TRAYS FOR FRESH MEALS IN MAP**



• **BIOPAP® FOR ORGANIC MEAT**



# BIOPAP® CERTIFICATIONS

## OK COMPOST CERTIFICATE

**CERTIFICATE FOR AWARDED AND USE OF THE 'OK COMPOST HOME' CONFORMITY MARK**  
**TA8022105824**

Issued by TÜV AUSTRIA CERT GMBH

**Product:** Home Compostable Products  
 Group: Plant-based Products  
 Family: Trays & Plates  
 Type: BIOPAP® LC  
 Material weight: 345, 380 or 425 g/m²  
 Colour: white  
 Coloured printing

**License:** Biopap S.r.l.  
 Via Edison, 227  
 20019 Settimo Milanese (MI)  
 Italy

**Criteria:** Test Program with reference OK 2 edition O' Home compostability of product

**Valid:** From 18 June 2021 to 18 June 2025

**Conclusions of the examination:** The products comply with the above mentioned certification criteria as confirmed by the report TA8022105824.

**Availability certification system:** Type examination followed by supervision through verification tests on samples from the production stock of the material. The conformity of the product is guaranteed by the procedures for auditing and use of the 'OK compost HOME' conformity mark. This only applies for specimens bearing the 'OK compost HOME' mark.

Brussels, 18 June 2021

For the Certification Committee  
 PH. DEMULDER  
 President of the Committee

## Recyclability of BIOPAP® LP LINE

**INNOVUB**  
 SEZIONE SPERIMENTALI  
 PER L'INDUSTRIA

**SSCP**  
 SOCIETÀ PER AZIENDE  
 S.p.A. - Via S. Felice, 10  
 20139 Milano, Italia  
 Tel. +39 02 824048  
 www.sscpp.com  
 P. IVA 02002000961

**Customer:** Cartospecialist Srl  
 Via Edison, 227  
 20019 Settimo Milanese (MI)

**Test report N°: 5-S5CCP-1800531**  
 Issue date: 21/06/2021  
 Sample Year: 2021  
 Year reference of the certificate effects: 0-2021/08  
 Received date: 20/03/2021  
 Start date of the test: 16/04/2021  
 End date of the test: 13/06/2021  
 Sample condition: campione contrassegnato BIOPAP LP (data alimentare Mark)  
 Sampling: Provided by customer

**ANALISI DEL LIVELLO DI RICICLABILITÀ**  
 ANALISI MC 201-2017

Parametro	Risultato	Unità	Limite
Area macrofibrille	0,0	% weight	200
Area microfibrille	2,0	mm²/g	100,0
Edge Fibres	3,8	% weight	10,0
Sheet formation - Adhesion	Absente		
Sheet formation - Optical anisotropy	Absente		
Assessment of recyclability according to Atlixica MC 201-2017	Level A+		

**Laboratory Manager:** Daniela Bussini  
**For Head Area:** Giorgio Caporini

## Recyclability of BIOPAP® LC LINE

**INNOVUB**  
 SEZIONE SPERIMENTALI  
 PER L'INDUSTRIA

**SSCP**  
 SOCIETÀ PER AZIENDE  
 S.p.A. - Via S. Felice, 10  
 20139 Milano, Italia  
 Tel. +39 02 824048  
 www.sscpp.com  
 P. IVA 02002000961

**Customer:** Cartospecialist Srl  
 Via Edison, 227  
 20019 Settimo Milanese (MI)

**Test report N°: 5-S5CCP-1800491**  
 Issue date: 23/06/2021  
 Sample Year: 2021  
 Year reference of the certificate effects: 0-2021/08  
 Received date: 20/03/2021  
 Start date of the test: 16/04/2021  
 End date of the test: 13/06/2021  
 Sample condition: campione contrassegnato BIOPAP LC (data alimentare Class)  
 Sampling: Provided by customer

**ANALISI DEL LIVELLO DI RICICLABILITÀ**  
 ANALISI MC 201-2017

Parametro	Risultato	Unità	Limite
Area macrofibrille	0,1	% weight	200
Area microfibrille	2,0	mm²/g	100,0
Edge Fibres	10,3	% weight	10,0
Sheet formation - Adhesion	Absente		
Sheet formation - Optical anisotropy	Absente		
Assessment of recyclability according to Atlixica MC 201-2017	Level A		

**Laboratory Manager:** Daniela Bussini  
**For Head Area:** Giorgio Caporini

## COMPOSTABILITY CERTIFICATE

**CERTIFICATO / CERTIFICATE**  
**N. P 1012**

Si CERTIFICA CHE IL PRODOTTO: **WE HEREBY CERTIFY THAT THE PRODUCT**  
**CONTENITORI VASCHETTE DA FORNO BIOPAP CON O SENZA COPERCHIO**  
 (Spessore max. 520 micron)

CONTENITORI VASCHETTE DA FORNO BIOPAP LC  
 DA SEMILAVORATO IN CARTONCINO  
 (Spessore max. 375 micron)

CONTENITORI VASCHETTE DA FORNO A TENUTA DI GAS BIOPAP MAP  
 IN CARTONCINO  
 (Spessore max. 380 micron)

DELL'ORGANIZZAZIONE: (OF THE ORGANIZATION)  
**BIOPAP SRL**  
 UNITA OPERATIVA: CERTIQUALITY UNIT  
 Via Edison, 227  
 20019 Settimo Milanese (MI)

È CONFORME A: (CONFORM TO)  
**DT 45:02 ED 02 140709**  
 REQUISITI PER LA CERTIFICAZIONE E CONCESSIONE DEL MARCHIO  
 "COMPOSTABILE ILLIC" A SACCHIE LINEARI, CONTENITORI VASCHETTE  
 E LORO SEMILAVORATI IN FIBRE CELLULOSICHE  
 che prevede l'osservanza della Norma UNI EN 13432:2002

OPERAZIONE INVIATA E RECEZIONATA: (OPERATION SENT AND RECEIVED)  
 Il presente certificato è suscettibile di annullamento in qualsiasi momento in caso di infrazione  
 alla certificazione in relazione al mancato rispetto delle condizioni applicative per il prodotto certificato.

PRIMA EMISSIONE: 10/02/2021  
 PRIMA RILASCIATA: 11/02/2021  
 EMISSIONE CORRENTE: 10/02/2024  
 DATA DI SCADENZA: 10/02/2024

**CERTIQUALITY S.r.l.**

## CERTIFICATE OF QUALITY MANAGEMENT SYSTEM UNI EN ISO 9001:2015

**CERTIQUALITY**  
 CERTIQUALITY S.p.A. - Via S. Felice, 10 - 20139 Milano, Italia  
 Tel. +39 02 824048 - www.certiquality.com

**52738**  
 CERTIFICATE OF QUALITY MANAGEMENT SYSTEM

**BIOPAP SRL**  
 IT - 20019 Settimo Milanese (MI) - Via Edison, 227  
 and distribution-related activities, internal units

**IT - 20019 Settimo Milanese (MI) - Via Edison, 227**  
 and distribution-related activities, internal units

**UNI EN ISO 9001:2015**

Il Gruppo, produzione, vendita, distribuzione e vaschette da forno contrassegnate, sono in cartone. Produzione, vendita di carte per alimenti da forno. Commercializzazione di film in cartone per vaschette forate. Commercializzazione di carte adibite ai contenitori (vaschette per alimenti).

Development, manufacture and sales of board based ovenable food trays (with or without lidless). Production and sales of food wrapping paper. Trade of food tray films and heat sealers. Trade of board paper and absorbent paper.

Il presente certificato è suscettibile di annullamento in qualsiasi momento in caso di infrazione alla certificazione in relazione al mancato rispetto delle condizioni applicative per il prodotto certificato.

ISSUED ON: 16/11/2021  
 FIRST ISSUED ON: 16/11/2021  
 EXPIRES ON: 16/11/2024

**CERTIQUALITY S.p.A.**

**IQNet**  
 THE INTERNATIONAL CERTIFICATION NETWORK

**CERTIFICATE**

**CISQ/CERTIQUALITY S.r.l.**  
 has issued an IQNet recognised certificate that the organization:

**BIOPAP SRL**  
 IT-20019 Settimo Milanese (MI) - Via Edison, 227

is in compliance with:

Development, manufacture and sales of board based ovenable food trays (with or without lidless). Production and sales of food wrapping paper. Trade of food tray films and heat sealers. Trade of board paper and absorbent paper.

has implemented and maintains a Quality Management System which fulfills the requirements of the following standard:

**ISO 9001:2015**

ISSUED ON: 16/11/2021  
 FIRST ISSUED ON: 16/11/2021  
 EXPIRES ON: 16/11/2024

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document

Registration number: IT-134108 Ciq Certificate: 52738

**IQNet**  
 Alex Stubbli  
 President of IQNET

**CISQ**  
 Prof. Marco Bussini  
 President of CISQ

Start test

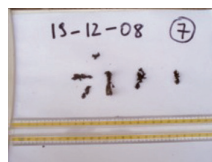
After 30 days

After 44 days

After 59 days

After 84 days

After 108 days - End of test



## PRIZES AND REWARDS

Recognised during EXPO DUBAI 2020 for the launch of BIOPAP® MAP TRAY as one of the Italian small-medium enterprises that best combines sustainability and innovation



### GERMAN PACKAGING AWARD



### BEST FOOD PRODUCT 2021 (SPECIAL PRIZE FOR SUSTAINABILITY)



### 2022 ADI PACKAGING DESIGN AWARD

