



Declaration of compliance for materials and articles intended to come into contact with food

Biopack & Logistics BVBA
Konijnenboslaan 21
B-8470 Gistel

We certify that our product, which mentioned below, is in compliance with EU Regulations:

Product code:	BIOST0006
Description:	Compostable flexible straw 240mm – Darkgreen
Material:	PLA – Poly-lactid acid



PLA forms through the production of lactic acid from glucose from fermentation. Then a polymerization is added to the resulting lactic acid in the second step. The glucose is obtained here by the grinding and subsequent saccharification from plants which contain starch.

PLA can be processed in similar plants as PE: injection moulding, deep-draw, sheet blowing. PLA consists of 100 percent renewable raw materials, has a high stiffness factor, is moisture and grease resistant and has a high gloss. The material is printable, bio-degradable, food-save but not heat resistant.



Bio Pack
Eco-friendly packaging

Production location:	Greece
Characteristics:	The products are suitable for disposable use as a drinking straw for cold beverages.
Bio-degradability:	The products are completely bio-degradable
Storage:	
Storage temperature:	ambient
Relative humidity:	dry
Storage conditions:	keep away from direct sunlight
Certificates:	Tested according to "Ok Compost Industrial", certificate no. TA80118026447P0533
Customs duty number:	3924.1000



Declaration of Compliance

for materials made from bioplastic compounds to come into contact with food

Hereby we confirm that our product:

Compostable & Biodegradable Drinking Straws

Comply with LFGB of 07 September 2005 as well as Regulations (EC) No 1935/2004, 2023/2006, (EU) No 10/2011 including all amendments in their currently valid versions.

Comply with directive 2011/65/EU, as well as the Swiss Ordinance on VOC (volatile organic compounds).

Comply with DIN EN 13432:2000-12 standard and ASTM D 6400:2012-01 using only certified & tested raw materials as follows:

Criteria: Test Program with reference OK 1 edition E. Including EN 13432 (09-2000): «Packaging - Requirements for packaging recoverable through composting and biodegradation – Test scheme and evaluation criteria for the final acceptance of packaging».

Conclusions of the examination: The products comply with the above-mentioned certification criteria, as confirmed by the test report no 65000184 / 2018-AG- 188p.

The conformity of the product is guaranteed by the procedures for awarding and use of the 'OK COMPOST INDUSTRIAL' conformity mark." Certificate for awarding and use of the 'OK COMPOST INDUSTRIAL' conformity mark" No. TA8011802644. Issued by TUV Austria Belgium NV.



Product(s)

Domain	Industrially Compostable Products
Group	Raw material
Family	Bio Material
Type	In form of granulates
Trade mark	Bio – Flex® F5710

Comply with Directive 94/62/EC on Packaging and Packaging Waste including all amendments in their currently valid versions.



When used as specified, the overall migration does not exceed the legal limits. The test was performed according to Regulation (EU) No 10/2011.

Migration analysis:

Name of Substance	Limits
F 5710	Overall Migration into 3% acetic acid (2h/40° C by total immersion): <10 mg/dm ² (limit 10 mg/dm ²) Overall Migration into 50% Ethanol acid (2h/40° C by total immersion): <10 mg/dm ² (limit 10 mg/dm ²)

The migration test is performed by completely immersing 15 straws in 100ml of liquid (food stimulant) for each test condition.

Testing is based on EN 1186-1:2002 (section 9.3 – Testing by total immersion).

US Food and Drug Administration (FDA)

The straws meet the requirements of the US FDA for materials in contact with food: the US Food, Drug and Cosmetic Act of 1958 and applicable indirect food additive regulations of the United States of America as set out in the Code of Federal Regulations of the US Food and Drug Administration (FDA), provided the use in accordance with good manufacturing practices employed.

For both aforementioned regulations the duty of care regarding the compliance within the legislation governing food contact applications has been fulfilled. It is the responsibility of every downstream user to verify the suitability for his own intended application. Liability for losses arising from inadequate use or any missing compliance is excluded.

Packaging waste

The heavy metal cadmium, lead, mercury and chromium^{VI} are not intentionally used in the manufacture of our straws. The sum of heavy metals cadmium, lead, mercury and chromium^{VI} incidentally present is below 100ppm. Therefore, our straws comply with the limits set out in Directive 94/62/EC.

RoHS

We hereby confirm that our straws are manufactured without the intentional use of the following chemical substances:

- Lead



- Mercury
- Cadmium
- Hexavalent chromium
- Polybrominated diphenyl ethers (PBDE)

PFOS

We confirm that our straws are manufactured without the intentional use of perfluorooctane sulfonates. (Directive 2006/122/EC of 12 December 2006)

VOC

The straws are in compliance with the Swiss Ordinance on volatile organic compounds (VOC). The VOC content is < 3% by weight.

TSCA

We confirm the listing of all raw materials are within the TSCA inventory.

Allergens

Straws are manufactured without the intentional use of substances currently known to be or suspected of being food allergens. Furthermore, they are manufactured without the use of ingredients listed in Annex IIIa of Directive 2007/86/EC and Annex III LMKV.

Active and intelligent materials

Straws are manufactured without the use of active and intelligent materials (Regulation EC No 450/2009).

Recycling

Straws are manufactured without any recycled plastic materials (Regulation EC No 282/2008).

BSE infection

Straws are manufactured without any derivatives of animal origin. There is no scientific reason to assume any risk of BSE transfer through them.

Other absent substances

Furthermore, we confirm that our straws are manufactured without the intentional use of the following substances:

- 2,2'-Dimethoxy-2-phenylacetophenone
- 2,4-Pentadione (synonyme acetylacetone)
- Acrylamide
- Antimony trioxide
- Adipates
- Absorbable organically combined halogens (AOX)
- Aromatic hydrocarbons (MOAH, "mineral oil aromatic hydrocarbons")
- Azo dyes



- Benzophenone and 4-methylbenzophenone and their derivatives
- Bisphenol A and its derivatives e.g. Bisphenol A diglycidyl ether (BADGE)
- Bisphenol F and its derivatives e.g. Bisphenol F diglycidyl ether (BFDGE)
- Bisphenol S and its derivatives
- Brominated fire retardants
- Chain-and ring-shaped hydrocarbons (MOSH, "mineral oil saturated hydrocarbons")
- Cobalt(II)-chloride (CAS 7646-79-9 (anhydrous))
- Cyanuric acid (1,3,5-triazin-2,4,6-triol)
- Dimethylfumarate (DMF)
- Diphenyl-2-ethylhexylphosphate (DPO)
- Ethyl-4-dimethylaminobenzoate
- Elastomers or rubber from which n-nitrosamines may be released
- Epoxidized soybean oil (ESBO)
- Formaldehyde
- Halogens
- Isopropylthioxanthone (ITX)
- Latex
- Maleicacid-di-(2-thylhexyl)-ester
- Melamine
- Novolac glycidyl ether (NOGE)
- Nanoparticles and-materials (< 100 nm)
- Palm oil
- Parabens
- Perfluorinated organic compounds & fluorinated surfactants
- Perfluorooctanoic acid (PFOA)
- Phenols & Phenylphenole
- Phthalates
- Polycyclic aromatic hydrocarbons (PAHs)
- Primary aromatic amines
- Semicarbazide (SEM)
- Titan-acetylacetonate (TAA)
- Tributyltin (TBT)
- Tributyltin oxide (TBTO)
- Tris(4-nonyl-phenyl) phosphite (TNPP)
- Triclosan
- Vinylchloride

Specification of the intended use or limitations:

- Type(s) of food intended to come into contact with the material:
 - o All aqueous, acidic, and alcoholic Foods and milk products.
- Type(s) of food NOT intended to meet the material:
 - o Caustic food or drink
- Duration and temperature of treatment and storage while in contact with the food:



- 2 hours, 40°C tested
- Ratio of the area of food contact material to the volume used to determine the compliance of the plastic food contact material or article:
 - 6 dm²/kg food
- Storage:
 - Stored dry & cold. Protect against moisture.
 - Storage time: any condition of time at room temperature and below.

Traceability of the product is ensured according to Regulation (EC) No 1935/2004 via the number of the production lot and the date of production displayed in the production carton.

This certificate is effective unless the product is modified or changed after shipment.

Do not distribute any copies of this certificate to the third party without our permission. If you need, please let us know before distributing.

This statement is only valid under the following conditions:

- That the product is used under normal conditions and purposes for this purpose (use).
- That no changes and / or substances (intentional, not intentional and / or use) are applied to the product and / or added that could affect the nature and composition (a degeneration and / or denaturation) of the product.

The product should only be used for food, contact times and contact temperatures which are mentioned in this statement.

Limiting factors:

- Our products are only suitable for a single use. By recycling, mechanical and / or other properties are changed thus not guaranteed the nutritional adequacy and is not covered by this document.
- If it is a printed product, the printed side can never come into direct contact with food.
- Our products are not suitable for the packaging of foods for infants.

It is the sole responsibility of the user to check and test whether the product is suitable for its intended use, the shelf life of the food, the compatibility between the feed and product.

It is the only responsibility of the user to test whether the product does not alter the organoleptic properties and / or the composition of the food.

Biopack is a trader and does not alter the product. The information provided is stated on the declaration by the supplier of the product. This declaration may be modified without prior notice and is valid until 01/09/2022. A recent version can always be retrieved.

Gistel, 24/04/2018

André HOORNAERT
Biopack & Logistics BVBA