
Certificate of Conformity

Trade name:	PankaWhite and PankaWhite ES
Product Description:	Double coated folding boxboard with white back, GC1
Grammage range:	285 – 560 g/m ²
Fiber source:	Virgin fiber
Bleaching:	unbleached mechanical pulp in the middle layer bleached chemical pulp in top/back layers (ECF-pulp)
Producer:	Pankakoski Mill Oy, in Lieksa Finland

Instructions for safe and appropriate use

Based on the investigations performed by Isega Laboratories in Germany PankaWhite and PankaWhite ES, in respect of its chemical composition, may be safely used as packaging material for food and it may stand in direct contact with both dry and non-fatty foods as well as moist and fatty foods.

Although direct contact is allowed, a functional barrier between board and food is always recommended to be used when packing moist and fatty foods to avoid any changes in the composition and characteristics of the packed food.

The information given in this Certificate is based on written confirmations of Pankakoski Mill Oy's raw material suppliers as well as evaluations and analysis performed by Isega Laboratories in Germany.

PankaWhite and PankaWhite ES can safely be used as packaging material at temperatures of -30 °C ... +90 °C (holding and reheating of food). This is based on latest version of BfR XXXVI Recommendation for Paper and Board for Food Contact.

Food Contact

We hereby declare that PankaWhite and PankaWhite ES complies, where applicable and under foreseeable conditions of use, with the relevant requirements of

- The European Parliament and the Council of the European Union Regulation (EC) 1935/2004
- The European Parliament and the Council of the European Union Regulation (EC) 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food

Raw Materials

In order to achieve high chemical and microbiological purity, only virgin fibers and food contact approved additives are used as raw materials in the production of PankaWhite and PankaWhite ES. The pulp and paper manufacturing process conforms to established technology involving the use of generally recognized chemicals. All chemical additives used as raw materials for PankaWhite and PankaWhite ES comply with the following regulations listed below.

Information given below, is based on the written confirmation of the raw material suppliers and analysis performed on PankaWhite and PankaWhite ES:

- The European Parliament and the Council of the European Union Regulation (EC) 1935/2004
- The European Parliament and the Council of the European Union Regulation (EC) 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food
- Law Concerning Foodstuffs, Consumer Goods and Animal Feed Code (LFGB) in the version of the notification of 24 July 2009 (BGBl. I p. 2205), last amendment by article 5 of the law of 9 December 2010 (BGBl. I p. 1934), §§ 30 and 31
- German Recommendation BfR no. XXXVI, state of 1 March 2011
- Code of Federal Regulations, Food and Drugs (FDA), 21 CFR Ch.I (1 April 2011 edition), §§ 176.170 and 176.180

Polymers used do not contain any additives that are authorized as food additives by Regulation (EC) No 1333/2008 or flavorings by Regulation (EC) No 1334/2008.

Analysis / Paperboard

Heavy Metals

PankaWhite and PankaWhite ES has very low contents of heavy metals. The measured concentrations of heavy metals in PankaWhite and PankaWhite ES are below the limits given in BfR Empfehlungen XXXVI, Directive 94/62/EC and standard EN 71-3: May 2003.

- Cadmium (Cd) < 0,05 mg/kg dry matter
- Mercury (Hg) < 0,025 mg/kg dry matter
- Lead (Pb) < 0,5 mg/kg dry matter

Formaldehyde

PankaWhite and PankaWhite ES complies with the requirements for formaldehyde in BfR Empfehlungen XXXVI. Analysis on Formaldehyde, according to DIN EN 1541, has been performed on representative samples of PankaWhite and PankaWhite ES. Result of the analysis show result of 0,004 mg/g dry matter.

PCP

PankaWhite and PankaWhite ES complies with requirements set for Pentachlorophenol (PCP) in BfR Empfehlungen XXXVI. Analysis on PCP has been conducted on representative samples of PankaWhite and PankaWhite ES according to EN ISO 15320. Results show level of PCP below the determination limit < 0,01 mg/kg dry matter.

Fluorecent Whitening Agents

Fluorecent Whitening Agents are not used in production of PankaWhite and PankaWhite ES. Determination of fastness of possible Fluorecent Whitening Agent in PankaWhite has been performed on representative PankaWhite and PankaWhite ES samples.

Test was performed according to EN 648 and the test fluids used were: water, acetic acid, saliva stimulant and olive oil. As a result, no visible transfer (grade 5) for any of the used test fluids was detected.

Hemmhof Test

PankaWhite and PankaWhite ES fulfills the requirements of BfR XXXVI. Determination of transfer of antimicrobial constituents, was performed on representative samples of PankaWhite according to EN 1104. Results of the analysis show no inhibition zone ie. there is no transfer of antimicrobial constituents.

Dioxin in paperboard

Dioxin is neither used as raw material nor intentionally added in production of PankaWhite and PankaWhite ES board grades manufactured by Pankakoski Mill Oy.

All the additives and/or chemicals used in board production are added in such a small amounts that there is no indication of any risk of generating and/or releasing dioxin in any circumstances of the life cycle of the yet unconverted product.

Content of polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs) expressed in World Health Organization (WHO) and NATO/CCMS toxic equivalents in paperboard are below 1 ng/kg board. The paperboard does not contain "dioxin-like" coplanar polychlorinated biphenyls (PCBs) above 2 ng/kg board.

Substances / Paperboard

In this document "intentionally added" means "deliberately utilized in the formulation of a material or component where its continued presence is desired in the final product to provide a specific characteristics, appearance or quality. Please note that PankaWhite and PankaWhite ES has not been analyzed against the substances listed below.

Genetically modified Organism, GMO

Genetically Modified Organisms (GMO), in accordance with "Environmental site on GMO", are neither used as raw materials nor intentionally added in production of PankaWhite.

Based on the information received from raw material suppliers, it is however impossible to totally exclude adventitious and technically unavoidable contamination*

* Regulation 1830/2003 on traceability and labelling of GMO; "The adventitious or technically unavoidable presence of GM-crops in conventional crops may occur as a result of seed production, cultivation, harvest, transport and processing. As long as the level of such contamination remains below the current 0.9% legislative limit, food ingredients can be considered as not being produced from GM raw materials.

Animal origin and BSE, TSE & CJD

Based on the information received from raw material suppliers, none of the raw materials used by Pankakoski Mill Oy contain any animal derived ingredients.

Animal derived raw materials are neither used as raw materials nor intentionally added in production of PankaWhite and PankaWhite ES.

Based on the fact that animal derived ingredients are not used in the production of PankaWhite and PankaWhite ES it can be stated that PankaWhite and PankaWhite ES is free of substances causing BSE (Bovine Spongiform Encephalopathy) and TSE (Transmissible Spongiform Encephalopathy) and CJD (Creutzfeldt Jacob Disease).

Food allergens

With reference to the US FDA Allergen Labeling and Consumer Protection Act (FALCPA) and the EU Directive 2003/89/EC, the following food allergens or products derived thereof are not intentionally added in the production of PankaWhite and PankaWhite ES

- Cereals containing gluten and products thereof
- Crustaceans and products thereof
- Eggs and products thereof
- Fish and products thereof
- Peanuts and products thereof
- Soybeans and products thereof
- Milk and products thereof
- Nuts and products thereof
- Celery and products thereof
- Mustard and products thereof
- Sesame seeds and products thereof
- Sulphur dioxide and sulphites at concentrations that may cause transfer from food packaging into food exceeding 10 mg/kg expressed as SO₂

Consequently PankaWhite and PankaWhite ES may reasonably be expected not to contain any allergenic proteins.

Phthalates

Phthalates are neither used as raw materials nor intentionally added in production of PankaWhite and PankaWhite ES.

Additional legislation and regulations, not food related

Packaging and Packaging Waste Directive

PankaWhite and PankaWhite ES complies with requirements of European Parliament and Council Directive 94/62/EC amended by 2004/12/EC

- Sum of lead, cadmium, mercury and hexavalent chromium in the board is less than 100 ppm (EN 13428)
- Level of substances hazardous* to the environment in the board is less than 0,1 % (EN13428)

PankaWhite and PankaWhite ES are suitable for recovery by

- Material recycling (EN 13430)
- Energy recovery (EN 13431)

*Classified in EU Directive 67/548/EC and listed as N-classified in www.kemi.se/nclass.

REACH

Pankakoski Mill Oy's obligations in REACH are as a downstream user and as a manufacturer of articles. Paper and board are defined as "articles" under the REACH regulation. According to the requirements of REACH only substances intentionally released from articles need to be registered. None of the board grades manufactured by Pankakoski Mill Oy contain any substances that are meant to release during the use of the article. This means that none of the board grades manufactured by Pankakoski Mill Oy will be registered in REACH.

REACH requires from Pankakoski Mill Oy to inform its customers if the articles manufactured by Pankakoski Mill Oy contain above 0,1% (w/w) of a substance of very high concern (SVHC). None of the board grades manufactured by Pankaboard Oy contain any substances with very high concern (SVHC) listed by European Chemical Agency. Pankakoski Mill Oy continuously follows the status of SVHC list and will inform its customers if needed as required in REACH regulation.

The European Union regulation on chemicals, REACH, entered into force on June 1st, 2007. REACH requirements will be implemented during an eleven year long phase-in period. Manufacturers and importers of chemical substances are required to gather information on the properties of their substances allowing safe handling and use of the chemicals. This information will be available in material safety data sheets (MSDS) and exposure scenarios. Pankaboard Oy will control that all of its chemical suppliers will cover the requirements of REACH within the timeframe set by the regulation.

Safety of Toys

PankaWhite and PankaWhite ES complies with the requirements of European Standard EN 71-3, safety of Toys – Part 3: Migration of Certain Elements. This information is based on information received from raw material suppliers as well as on analysis performed on PankaWhite and PankaWhite ES by Isega Laboratories in Germany.

Storage and handling requirements

In order to ensure product safety and original quality of the board, products must always be stored well wrapped in their original packages. Paperboard needs to be stored in a covered, dry and airy warehouse; recommended storage conditions are at 50-55% relative humidity and 20 – 23 °C. Direct sunlight as well as big variation in humidity and temperature should be avoided during the storing. Access of pests and birds into the warehouse needs to be prevented.

It is recommended that the board will be consumed within 12 months from manufacturing date and after this period of time right for claims normally expires.

Certified Management Systems at the production site

Certificates can be downloaded from www.pankaboard.com

- ISO 9001
- ISO 14001
- ISO 22000
- PEFC CoC
- FSC CoC

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Pankakoski Mill Oy

Anu Perttula
Quality and Development Engineer