

## **Absence Certification**

All the board grades produced by Pankakoski Mill Oy are manufactured solely from virgin fibers and additives. All bleached chemical pulp used in production of Pankakoski Mill Oy is bleached by using ECF-method (Elemental chlorine free).

All the chemicals used in board production are approved for food contact and possible health risks have been considered in those approvals.

Following compounds are neither used as raw material nor intentionally added in production of any board grade manufactured by Pankakoski Mill Oy:

### **Active or intelligent components**

#### **Allergens**

- Cereals containing gluten and related products
- Crustaceans and related products
- Eggs and related products
- Fish and related products
- Peanuts and related products
- Soybeans and related products
- Milk and products thereof (including lactose)
- Nuts, namely almonds, hazelnuts, walnuts, cashew, pecan nut, Brazil nut, macadamia nuts and related products
- Celery and related products
- Mustard and related products
- Sesame seeds and related products
- Sulphur dioxide and sulphites in concentrations higher than 10 mg/kg or 10 mg/l reported as SO<sub>2</sub>
- Lupin and related products
- Clams and related products
- Natural Latex

#### **Aromatic organic compounds**

- Butylated hydroxytoluene
- Butylated hydroxyanisole
- Tertiary butylhydroquinone
- Toluene
- Benzene
- Phenol
- Orthophenyl phenol (OPP)
- Chloroanisoles
- Chlorophenols

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- Pentachlorophenol (PCP)
- Cresols
- Styrene
- Anthraquinone
- Lillial
- Nonyphenol
- Aromatic amines

**Biocides and fungicides**

- Orthophenyl phenol (OPP)
- 2-methyl-4-isothiazolin-3-one (MIT)
- Dichlorodiphenyltrichloroethane (DDT)
- Pentachlorophenol (PCP)
- Dimethyl Fumarate (DMF)
- Chloroacetamide
- Didecyldimethylammonium chloride (DDAC)
- Polyaminopropyl biguanide (PAPB)
- Gamma-hexachlorocyclohexane ( $\gamma$ -HCH, Lindane)

**Brominated flame retardants**

- Polybrominated diphenyl ethers (PBDE)
- Polybrominated biphenyls (PBB)
- Hexabromocyclododecane (HBCD)

**California Proposition 65 listed substances****Chlorine compounds**

- Chloro-alkanes (C10-13) (SCCP)
- Dichlorodiphenyltrichloroethane (DDT)
- Pentachlorophenol (PCP)
- Polyvinyl chloride (PVC)
- Polyvinylidene chloride (PVCD)
- Polychlorinated biphenyls (PCB)
- Chloroanisoles
- Chlorophenols
- Polybrominated diphenyl ethers (PBDE)
- Perfluoro-octanoic acid (PFOA)
- Benzalkonium chloride (BAC)
- Quaternium 15

**Dual use substances**

**Endocrine Disruptors**

- Bisphenol A (BPA)
- Bisfenol S (BPS)
- Bisfenol F (BPF)
- Bisphenol A diglycidyl ether (BADGE)
- Bisphenol F diglycidyl ether (BFDGE)
- Novolac glycidyl ether (NOGE)
- Dichlorodiphenyltrichloroethane (DDT)
- Polychlorinated biphenyl (PCB)
- Polybrominated diphenyl ethers (PBDE)
- Pentachlorophenol (PCP)
- Perfluoro-octanoic acid (PFOA)
- Phtalates, such as
  - Dibutyl Phthalate (DBP)
  - Diisobutyl Phthalate (DIBP)
  - Dibutyl phthalate (DBP)
  - Butylbenzyl phthalate (BBP)
  - Bis(2-ethylhexyl) phthalate (DEHP)
  - Diethyl phthalate (DEP)
  - Diisobutyl phthalate (DIPB)
  - Di-iso-decyl phthalate (DIDP)
  - Diisononyl phthalate (DINP)
  - Bis 2 methoxyethyl phthalate (DMEP)
  - Di-n-octyl phthalate (DNOP)
  - Dipentyl phthalate (DPEP)
  - Dihexyl phthalate (DHP)
  - Dicyclohexyl phthalate (DCHP)
  - Dioctyl phthalate
  - Diisodecyl phthalate (DiDP)
  - Diundecyl phthalate (DuDP), branched and linear
- Benzophenone
- 2,4-Dihydroxybenzophenone
- 2,2',4,4'-tetrahydroxybenzophenone
- Oxybenzone
- 4,4'-dihydroxybenzophenone
- 4-Methylbenzophenone
- Hydroxybenzophenone
- 1,7,7-trimethyl-3- (phenylmethylene)bicyclo[2.2.1]heptan-2-one
- 1,7,7-trimethyl-3-[(4- methylphenyl) methylene]bicyclo[2.2.1] heptan-2-one
- 2-ethylhexyl 4-methoxycinnamate
- Methylparaben
- Ethylparaben
- Propylparaben
- Butylparaben

- Polycyclic aromatic hydrocarbons (PAH's)
- Nonyphenol
- 4-nitrophenol
- 2,4,6-tribromophenol
- Resorcinol
- Butylated hydroxytoluene (BHT)
- Tert-butyl-4-methoxyphenol
- Metam-sodium
- Zineb
- Ziram
- Thiram
- Tebuconazole
- Triclosan
- Quadrosilan
- Tert-butyl methyl ether
- Carbon disulphide
- Triphenyl phosphate

**Epoxy derivatives**

- Bisphenol A diglycidyl ether (BADGE)
- Bisphenol F diglycidyl ether (BFDGE)
- Novolac glycidyl ether (NOGE)

**Fluorine compounds**

- Perfluorooctanoic acid (PFOA)
- Perfluorooctanesulfonate (PFOS)
- Perfluorononanoic acid (PFNA)
- Perfluorobutanesulfonic acid (PFBS)
- Perfluorooctanesulfonyl fluoride (POSF)

**Genetically modified organisms (GMO)****Hazardous air pollutants**

- Formaldehyde
- Acrylamides
- Polychlorinated biphenyl (PCB)
- Cresols
- Styrene

**Heavy metals**

- Sum of Lead, Mercury, Cadmium and Hexavalent Chromium < 100 ppm

**Nanotechnology or nanoparticles**

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**Non-evaluated substances (as defined in REACH)****Optical Brightening Agents****Organo-tin compounds**

- Tetrabutyltin (TBT)
- Dibutyltin (DBT)
- Monobutyltin (MBT)

**Ozone Depleting Chemicals****Palm oil or Palm Kernel oil****Persistent organic pollutants**

- Chloro-alkanes (C10-13) (SCCP)
- Dichlorodiphenyltrichloroethane (DDT)
- Hexabromocyclododecane (HBCD)
- Pentachlorophenol (PCP)
- Polychlorinated biphenyl (PCB)
- Perfluorooctanesulfonyl fluoride (POSF)
- Dioxins

**Substances of animal origin**

- Animal derived ingredients
- Substances causing TSEs (Transmissible Spongiform Encephalopathies), such as BSE (Bovine Spongiform Encephalopathy) and CJD (Creutzfeldt Jacob Disease)

**Substances of Very High Concern (SVHC) under the REACH regulation****Substances with specific migration limits (SML)**

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**Other substances of concern**

- Melamine
- Acetate
- Acetic acid
- Toluene
- Ketone
- Dioxins
- Furans
- Furfural
- Dimethyl Fumarate (DMF)
- Aflatoxin
- Nitrosamines
- Quaternary ammonium compounds (QAC)
- Squalene
- 2-ethyl hexanol,
- Nonanal
- Isothiazolinone
- Cyanuric Acid
- 1,3-dichloro-2-propanol
- Polypropylene carbonate (PPC)
- Titanium dioxide
- Rosin
- Waxes
- Paraffins

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**Pankakoski Mill Oy**

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