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|  | <div data-bbox="758 98 900 156">DoC</div> <div data-bbox="534 190 1104 257">TOODE: KP300968 Patonkirasia ikkunalla, 75x75x299mm</div> | <div data-bbox="1422 107 1509 136">M-49</div> <div data-bbox="1189 152 1509 221">Haldur: Keskkonna- ja kvaliteedijuht</div> |
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1) Articles and identification:

Carton box with PET window and dispersion barrier coating inside:

| Article number (<i>Item nr</i>)/ <i>Batch</i> | Client reference | Dimensions [mm] |
|---|------------------|-----------------|
| 300968 / 504183 | | 75x75x299 |

2) Conformity:

Product conforms to the following legislation:

- **REGULATION (EC) No 1935/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC.**
- **COMMISSION REGULATION (EC) No 2023/2006 of 22 December 2006 on good manufacturing practice for materials and articles intended to come into contact with food.**


Vaatimuksenmukaisuustodistus koskee seuraavia Ki-Sal Oy:n
maahantuomia ja myymiä tuotteita:

Ki-Sal tuotekoodi

Tuotekuvaus ja toimittajan tuotenumero

KP300968

Patonkirasia ikkunalla ruskea 350kpl/ltk

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3) Used materials:

Products mentioned in point 1 have been produced using following original materials:

| Product: | Producer: | Address: | Composition (CAS/EC): |
|--|------------------------------------|--|--|
| CKB Nude AquaTM | Stora Enso Oyj | Stora Enso Skoghall Mill Box 501 Bruksgatan SKOGHALL, VÄRMLAND SE-66329 Sweden | Mixture* |
| 5934-3000 and/or 401-1000-B | GLUDAN GmbH | Am Hesterkamp 2 21514 Buechen, Germany | Vinyl acetate/ethylene-copolymer aqueous solution (/)* |
| Hubergroup NewV pack MGA Premium & XE MGA CRS inks* | hubergroup Polska Spółka z o.o. | hubergroup Polska Spółka z o.o. Nowa Wieś Wrocławska ul.Nowa 27 55-080 Kąty Wrocławskie Poland | Mixture* |
| ACTEGA TERRAWET Gloss Coating G 9/378 FoodSafe-040 | ACTEGA Terra GmbH | ACTEGA Terra GmbH Industriestraße 12 31275 Lehrte Germany | Mixture* |
| optimont® AF | Bleher Folientechnik GmbH | Max-Planck-Straße 6 71254 Ditzingen-Heimerdinge n | Mixture* |

All used printing inks and varnishes have been produced according to EuPIA „Good Manufacturing Practices” (GMP) Printing inks for food contact materials (GMP, Regulation (EC) No 2023/2006).”

* Exact composition of materials can be trade secret. Statement of Composition (SoC) is issued after signing non-disclosure agreement (NDA).

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4) Intended use:

When the barrier is on food contact side, this product is intended for packaging dry, aqueous, alcoholic and fatty foodstuffs.

This product is intended for use under the following conditions of temperature and time for food types above.

- Frozen/fridge
- Room temperature (up to 40°C for more than 24 hrs)
- Hot-fill*

This product is not intended for use under the following conditions:

- Frozen/fridge for acidic foodstuffs
- Room temperature for acidic foodstuffs
- Hot-fill* for acidic foodstuffs
- Microwave oven for all foodstuffs
- Conventional oven for all foodstuffs

* It is the responsibility of the packer of the finished articles to ensure that the article is safe to use in the intended conditions. "Hot-fill" means the filling of any article with a food with a temperature not exceeding 100 °C at the moment of filling, after which the food cools down to 50 °C or below within 60 minutes, or to

5) Overall migration and specific migration tests:

NOTE: According to Article 14 of the Commission Regulation (EU) 10/2011: In a multi-material multi-layer material or article, the composition of each plastic layer shall comply with this Regulation. Overall migration limits and specific migration limits of this Regulation do not apply to plastic layers in multi-material multi-layer materials and articles. In a multi-material multi-layer material or article, specific and overall migration limits for plastic layers and for the final material or article may be established by national law.

The overall migration tests have been performed on representative samples of the food contact side of the product according to EN 1186 in modified conditions with the following results. The overall migration limit 10 mg/dm² stipulated in the Commission Regulation (EU) 10/2011* is not exceeded.

| Simulant | Test number | Contact time [h] | Temperature [°C] | SVR [dm ² /ml] | Result [mg/dm ²] |
|--------------|-------------|------------------|------------------|---------------------------|------------------------------|
| MPPO | OM3 | 2 | 70 | - | Conforms to 10/2011 |
| 50 % ethanol | OM3 | 2 | 70 | - | Conforms to 10/2011 |
| Isooctane | OM3 | 0,5 | 40 | - | Conforms to 10/2011 |
| 95 % ethanol | OM3 | 2 | 60 | - | Conforms to 10/2011 |

*Based on our current understanding, (EU) Food Contact Plastics Regulation No 10/2011 is not applicable for dispersion products. To ensure the safety of the dispersion products we do perform overall migration testing, but with modified conditions. The temperature and food simulants are chosen according to the standard, but the time might be modified as applicable.

Supplier of material „optimont® AF“ has tested overall migration accordingly:


| Simulant | Test number | Contact time [h] | Temperature [°C] | SVR [dm ² /ml] | Result [mg/dm ²] |
|--------------------|-------------|------------------|------------------|---------------------------|------------------------------|
| A: 10 % ethanol | OM6 | 4 | 100 | - | Conforms to 10/2011 |
| B: 3 % acetic acid | OM6 | 4 | 100 | - | Conforms to 10/2011 |
| D2: Veg. oil | OM7 | 2 | 175 | - | Conforms to 10/2011 |

Test OM 6 covers also food contact conditions described for OM1, OM2, OM3, OM4 and OM5. It represents worst case conditions for food simulants A, B and C in contact with non-polyolefins.

Test OM 7 covers also food contact conditions described for OM1, OM2, OM3, OM4, OM5. It represents the worst case conditions for fatty food simulants in contact with non-polyolefins.

Supplier of material „optimont® AF“ has tested specific migration accordingly:

| Simulant | Test number | Contact time [h] | Temperature [°C] | SVR [dm ² /ml] | Result [mg/dm ²] |
|----------|-------------|------------------|------------------|---------------------------|------------------------------|
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|--------------------|-----|---|-----|---|---------------------|
| A: 10 % ethanol | OM6 | 4 | 100 | - | Conforms to 10/2011 |
| B: 3 % acetic acid | OM6 | 4 | 100 | - | Conforms to 10/2011 |
| D2: Veg. oil | OM7 | 2 | 175 | - | Conforms to 10/2011 |

| Simulant | Test number | Contact time [h] | Temperature [°C] | SVR [dm2/ml] | Result [mg/dm2] |
|--------------------|-------------|------------------|------------------|--------------|---------------------|
| A: 10 % ethanol | - | 10 | 60 | - | Conforms to 10/2011 |
| B: 3 % acetic acid | - | 10 | 60 | - | Conforms to 10/2011 |
| D2: Veg. oil | - | 10 | 60 | - | Conforms to 10/2011 |

6) List of substances contained with restrictions and/or specifications according Regulation (EC) no 10/2011:

Based on declarations provided by producer of material: „ACTEGA TERRAWET Gloss Coating G 9/378 FoodSafe-040“, the following substances which have restrictions according to Annex I and Annex II of Regulation (EC) no 10/2011 can be present in used varnishes:

| Substance name | CAS number | Limit | Dimension | Result [mg/dm ²] |
|---|------------|-------|------------------|------------------------------|
| Acrylic acid, 2-ethylhexyl ester | 103-11-7 | 0,05 | [mg/kg] (SML) | Conforms to 10/2011 |
| 2-Ethyl-1-hexanol | 104-76-7 | 30 | [mg/kg] (SML) | Conforms to 10/2011 |
| 2-Methyl-4-isothiazol-3-one | 2682-20-4 | 0,5 | [mg/kg] (SML) | Conforms to 10/2011 |
| Sulfosuccinic acid Alkyl(C4-C20)-Cyclohexyldiester, Natriumsalt | 577-11-7 | 5 | [mg/kg] (SML) | Conforms to 10/2011 |
| Polyethyleneglycol (EO=1-50) ethers of primary linear and branched C8-C22 | - | 1,8 | [mg/kg] (SML) | Conforms to 10/2011 |
| Polyethylene, oxidised | 68441-17-8 | 60 | [mg/kg] (SML) | Conforms to 10/2011 |
| Sodium sulphite | 7757-83-7 | 10 | [mg/kg] (SML(T)) | Conforms to 10/2011 |
| alpha-Methylstyrene | 98-83-9 | 0,05 | [mg/kg] (SML) | Conforms to 10/2011 |

Based on declarations provided by producer of material: „5934-3000 and 401-1000-B“, the following substances which have restrictions according to Annex I and Annex II of Regulation (EC) no 10/2011 can be present in used adhesives:

| Substance name | CAS number | Limit | Dimension | Result [mg/dm ²] |
|---------------------|--------------|-------|------------------|------------------------------|
| Acetaldehyde (NIAS) | 0000075-07-0 | 6 | [mg/kg] (SML(T)) | Conforms to 10/2011 |
| Formaldehyde (NIAS) | 0000050-00-0 | 15 | [mg/kg] (SML(T)) | Conforms to 10/2011 |
| Vinyl acetate | 0000108-05-4 | 12 | [mg/kg] (SML) | Conforms to 10/2011 |

Based on declarations provided by producer of material: „optimont® AF“, the following substances which have restrictions according to Annex I and Annex II of Regulation (EC) no 10/2011 can be present in used window-film:


| Substance name | CAS number | Limit | Dimension | Result [mg/dm ²] |
|-------------------|--------------|-------|------------------|------------------------------|
| Terephthalic acid | 0000100-21-0 | 7,5 | [mg/kg] (SML(T)) | Conforms to 10/2011 |
| Isophthalic acid | 0000121-91-5 | 5 | [mg/kg] (SML(T)) | Conforms to 10/2011 |

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|--------------------------------|--------------|------|------------------|---------------------|
| Ethyleneglycole | 0000107-21-1 | 30 | [mg/kg] (SML(T)) | Conforms to 10/2011 |
| Diethyleneglycole | 0000111-46-6 | 30 | [mg/kg] (SML(T)) | Conforms to 10/2011 |
| Sb ₂ O ₃ | 0007440-36-0 | 0,04 | [mg/kg] (SML(T)) | Conforms to 10/2011 |
| Alumiinium (Al) | 0007429-90-5 | 1 | [mg/kg] (SML(T)) | Conforms to 10/2011 |

If substances are intentionally used which are listed in Annex II paragraph 1 of the Plastics Regulation or which could release primary aromatic amines (paA) listed in Annex II, these are also listed in particular section 6 and, if applicable, marked with "Conforms to 10/2011" if compliance with the limit values for the use of the material or article specified in section 4 is ensured.

Elements, migration in simulant B (worst-case):

| Substance name | CAS number | Limit | Dimension | Result [mg/dm ²] |
|-----------------|--------------|------------|------------------|------------------------------|
| Aluminium (Al) | 0007429-90-5 | 1 | [mg/kg] (SML) | Conforms to 10/2011 |
| Antimony (Sb) | 0007440-36-0 | 0,04 | [mg/kg] (SML) | Conforms to 10/2011 |
| Arsenic (As) | 0007440-38-2 | 0,01 (ND) | [mg/kg] (SML) | Conforms to 10/2011 |
| Barium (Ba) | 0007440-39-3 | 1 | [mg/kg] (SML) | Conforms to 10/2011 |
| Lead (Pb) | 0007439-92-1 | 0,01 (ND) | [mg/kg] (SML) | Conforms to 10/2011 |
| Cadmium (Cd) | 0007440-43-9 | 0,002 (ND) | [mg/kg] (SML) | Conforms to 10/2011 |
| Chromium (Cr) | 0007440-47-3 | 0,01 (ND) | [mg/kg] (SML) | Conforms to 10/2011 |
| Iron (Fe) | 0007439-89-6 | 48 | [mg/kg] (SML) | Conforms to 10/2011 |
| Europium (Eu) | 0007440-53-1 | 0,05 | [mg/kg] (SML(T)) | Conforms to 10/2011 |
| Gadolinium (Gd) | 0007440-54-2 | 0,05 | [mg/kg] (SML(T)) | Conforms to 10/2011 |
| Cobalt (Co) | 0007440-48-4 | 0,05 | [mg/kg] (SML) | Conforms to 10/2011 |
| Copper (Cu) | 0007440-50-8 | 5 | [mg/kg] (SML) | Conforms to 10/2011 |
| Lanthanum (La) | 0007439-91-0 | 0,05 | [mg/kg] (SML(T)) | Conforms to 10/2011 |
| Lithium (Li) | 0007439-93-2 | 0,6 | [mg/kg] (SML) | Conforms to 10/2011 |
| Manganese (Mn) | 0007439-96-5 | 0,6 | [mg/kg] (SML) | Conforms to 10/2011 |
| Nickel (Ni) | 0007440-02-0 | 0,02 | [mg/kg] (SML) | Conforms to 10/2011 |
| Mercury (Hg) | 0007439-97-6 | 0,01 (ND) | [mg/kg] (SML) | Conforms to 10/2011 |

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|--------------|--------------|------|------------------|---------------------|
| Terbium (Tb) | 0007440-27-9 | 0,05 | [mg/kg] (SML(T)) | Conforms to 10/2011 |
| Zinc (Zn) | 0007440-66-6 | 5 | [mg/kg] (SML) | Conforms to 10/2011 |

Based on declarations provided by producer of material: „optimont® AF“, it can be assumed that no primary aromatic amines listed in Table 1 of Annex I to Regulation (EU) No 10/2011 are released to food or food simulants above the limit values.

Furthermore, it can be assumed that none of the following primary aromatic amines are released in a detectable quantity into food or food simulant:

- Substances listed in entry 43 to Appendix 8 of Annex XVII of Regulation (EC) No 1907/2006: detection limit 0.002 mg/kg food or food simulant.
- Sum of primary aromatic amines: detection limit 0.01 mg/kg food or food simulant

Based on declarations provided by producer of material: „optimont® AF“, a risk assessment has been carried out on NIAS compounds in accordance with Article 19 of Regulation (EU) No 10/2011. Migration of NIAS compounds was semi quantitatively estimated and found to be either below 10ppb in the food or at concentrations above 10ppb but below a level of concern assessed by either comparison against published toxicological data or by applying the Threshold of Toxicological Concern (TTC) approach.

7) Dual Use Additives:

Based on declarations provided by producer of material: „CKB Nude Aqua“, the following dual use additives can be present in carton board:

| Substance | CAS number | EC number | E number | ADI [mg/kg] |
|-------------------------------|------------|-----------|----------|-------------|
| calcium carbonate | 471-34-1 | 207-439-9 | E170 | - |
| sodium sulfite | 7757-83-7 | 231-821-4 | E221 | - |
| sodium bisulfite | 7631-90-5 | 231-548-0 | E222 | - |
| sodium metabisulphite | 7681-57-4 | 231-673-0 | E223 | - |
| sodium nitrate | 7631-99-4 | 231-554-3 | E251 | - |
| acetic acid | 64-19-7 | 200-580-7 | E260 | - |
| potassium acetate | 127-08-2 | 204-822-2 | E261 | - |
| citric acid | 77-92-9 | 201-069-1 | E330 | - |
| disodium phosphate | 7558-79-4 | 231-448-7 | E339 | - |
| adipic acid | 124-04-9 | 204-673-3 | E355 | - |
| xanthan gum | 11138-66-2 | 234-394-2 | E415 | - |
| glycerol | 56-81-5 | 200-289-5 | E422 | - |
| sodium carboxymethylcellulose | 9004-32-4 | 618-378-6 | E466 | - |
| sorbitan monostearate | 1338-41-6 | 215-663-3 | E491 | - |
| sorbitan monolaurate | 1338-39-2 | 215-664-9 | E493 | - |
| sodium carbonate | 497-19-8 | 207-838-8 | E500 | - |
| magnesium carbonate | 208-915-9 | 208-915-9 | E504 | - |
| magnesium chloride | 7786-30-3 | 232-094-6 | E511 | - |
| sulfuric acid | 7664-93-9 | 231-639-5 | E513 | - |
| sodium sulphate | 7757-82-6 | 231-820-9 | E514 | - |
| aluminium sulphate | 10043-01-3 | 233-135-0 | E520 | - |
| sodium hydroxide | 1310-73-2 | 215-185-5 | E524 | - |

TOODE: KP300968 Patonkirasia ikkunalla,
75x75x299mm

Haldur: Keskkonna- ja
kvaliteedijuht

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|---------------------------------|---------------------|-----------|--------------|---|
| silicon dioxide | 7631-86-9 /112926-0 | 231-545-4 | E551 | - |
| stearic acid | 57-11-4 | 200-313-4 | E570 | - |
| starch sodium octenyl succinate | 52906-93-1 | 610-914-7 | E1450 | - |
| propane-1,2-diol | 57-55-6 | 200-338-0 | E1520 | - |
| polyethylene glycol | 25322-68-3 | 500-038-2 | E1521 | - |
| glutaraldehyde | 111-30-8 | 203-856-5 | FL No 05.149 | - |
| ethyl acrylate | 140-88-5 | 205-438-8 | FL 09.037 | - |

Based on declarations provided by producer of material: „ACTEGA TERRAWET Gloss Coating G 9/378 FoodSafe-040“, the following dual use additives can be present in used varnishes:


| Substance | CAS number | EC number | E number | ADI [mg/kg] |
|------------------------------|------------|-----------|----------|-------------|
| Sodium sulphite | 7757-83-7 | 231-821-4 | E 221 | - |
| Ammonia | 7664-41-7 | 215-647-6 | E 527 | - |
| Propylene glycol | 57-55-6 | 200-338-0 | E 1520 | - |
| Glycerol | 56-81-5 | 200-289-5 | E 422 | - |
| Dimethylpolysiloxane | 70131-67-8 | 613-154-4 | E 900 | - |
| Polyethylene waxes, oxidized | 68441-17-8 | 614-498-8 | E 914 | - |
| Acetic acid | 64-19-7 | 200-580-7 | E 260 | - |

Based on declarations provided by producer of material: „5934-3000 and 401-1000-B“, the following dual use additives can be present in used adhesives:

| Substance | CAS number | EC number | E number | ADI [mg/kg] |
|-----------|------------|-----------|----------|-------------|
| Triacetin | 102-76-1 | 203-051-9 | E 1518 | - |

Based on declarations provided by producer of material: „optimont® AF“, the following dual use additives can be present in window-film:

| Substance | CAS number | EC number | E number | ADI [mg/kg] |
|-----------------|------------|-----------|----------|-------------|
| Silicon dioxide | 7631-86-9 | 231-545-4 | E 551 | - |
| Aluminium | 7429-90-5 | 231-072-3 | E 173 | - |

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Note: the listed Dual Use Additives (DUA) are present in the raw materials as impurities and have no technological properties in the final product.

8) Printing inks:

Printing inks mentioned in point 3 must not be in direct contact with food.

9) Absolute barrier:

Absolute barrier is not present.

10) Validity of declaration:

This declaration is valid from the date written below and it shall be replaced when changes have been introduced in the production of material (such as, by way of example, changes in process, raw materials, additives used in manufacturing) that can change some essential requirements in terms of conformity or when the legislative references under point 2) are modified and updated to such an extent as to require a new inspection.

Date: 07/04/2025



Q&E Manager
Mikk Kull
AS Kroonpress
133 Tähe, 50107,
Tartu, Estonia