

Declaration of compliance
For Trioworld Smålandsstenar AB
product group Trio Infinity
Item number 41408, 41410, 41412, 41415, 41417, 41420 and 41423
Regarding packaging of food



Trioworld Smålandsstenar AB,
Box 143
333 23 Smålandsstenar
Sweden
Phone: +46 371 345 00
Webpage: www.trioworld.com

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Material information

The product is based on polyethylene of known origin and is free from DMF (dimethylfumarate), phthalates and chlorine. Does not contain any substances in the level that is dangerous to health or environment, according to ECHA Candidate list, and complies with EU-directive 94/62/ECC regarding the presence of specified (heavy-) metals (<100ppm). The raw materials which are used in the film material are certified approved according to valid EU-directive for food contact materials, the regulation EU 10/2011, including its amendments.

The film material is manufactured in accordance with the regulation EU 2023/2006 and complies with EU 1935/2004.

Test of total migration limit, OML

The material in this product was tested according to the methods EN 1186-2 and EN1186-3 concerning total migration. The tests were performed by an external laboratory in accordance with the regulation EU 10/2011. Test conditions; 10 days, 40°C, and simulants olive oil, 10% ethanol, and 3% acetic acid. The analyses showed results well below the limit specified for total migration, which is 10 mg/dm². This certifies that the material can be used when packaging food under the following conditions and restrictions:

- the food can be wet with a pH above 4.5
- the food can be dry or fatty
- the alcohol content in the food must not exceed 3%
- storage for up to six month at temperature around 20°C, normal room temperature
- the food can be frozen together with the film
- the food can be heated together with the film up to 70°C

Test of specific migration limit, SML

The materials in the product contain twelve additives which are subject to specific migration limit as seen in Table 1. The content of the SML substances was calculated based on the maximum total content in the film that could migrate to a unit cube with a surface to volume ratio of 6 dm² per kg of food (in accordance with article 17.2.d of Regulation (EU) 10/2011). For the calculations it was assumed that the unit cube was wrapped in 100µm film.

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Table 1: List of material with SML demands

Material	SML	CAS-nr	PM ref No
Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate	6	2082-79-3	68320
Zinc Oxide	5	1314-13-2	96240
Aluminium	1	-	-
3,5-Di-tert-butyl-4-hydroxybenzylphosphonic acid, monoethyl ester, calcium salt	6	65140-91-2	46880
Hexafluoropropylene	0,01	116-15-4	-
Vinylidene fluoride	5	75-38-7	-
Barium sulfate	1	7727-43-7	-
Caprolactone & 6-hydroxyhexanionic acid	0,05	502-44-3	-
1,4 butanediol	5	110-63-4	-
Alkyl(C8-C22)sulphonic acid	6	-	34230
1-Hexene	3	592-41-6	18820
1-Octene	15	111-66-0	22660

The theoretical maximum specific migration was only exceeded for octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate and Aluminium. Test of the film with respect to specific migration of octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate was therefore performed according to method EN 14338. The test was performed by an external laboratory in accordance with the regulation EG 10/2011. Test condition; 10 days and 50°C, and the simulant MPPO (Tenax, simulant for dry food). Analysis result; specific migration of octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate in the product to MPPO was 1,46 mg/kg packed food. It was not considered necessary to carry out test of specific migration for the other additives since the amount of the additives in the raw material were well below the SML for the additives or have a very low risk of migrating.

Dual use additives

(Dual use, means that the additive can occur as an ingredient in food, groceries alt. medicine.)

Four additives are subject to the concept dual use: Talc (E553b), Calcium Carbonate (E170), Calcium Stearate and Polyethylene glycol sorbitan monostearate.

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Disclaimer

- This document is not a confirmation that we meet national or global hygiene standards.
- The legislation cited above applies to the final package of foodstuff. It is the responsibility of the company packaging the food to verify that the final package complies with the relevant legislation.
- Therefore this document has sufficient information for the intended use.

This certificate is valid for one year from the date it was updated. At the expiration date of this certificate a new one will be issued at the request of the material user.

A handwritten signature in blue ink that reads "Kim Andersson". The signature is written in a cursive, flowing style.

Kim Andersson
Material development engineer
Material development