
DECLARATION OF COMPLIANCE

23-09-2022

IP Verpackungen GmbH

Industriestrasse 16

D-52457 Aldenhoven

Food Packaging of extruded Polystyrene (XPS)

Article see attached

The above-mentioned article complies with EU regulation 10/2011 and EU regulation 1935/2004 as well as EU regulation 2023/2006 in their current versions.

The overall migration limit was determined according to EU regulation 10/2011 and is below the threshold limit value of 10 mg/dm².

The measurements were performed according to test codes EN 1186 as well as EN 13130 by an independent testing institute.

The specific migration of styrene is below the threshold limit value of 10 mg/dm².

The specific migration of **bisphenol A** (2, 2-Bis (4-hydroxyphenyl) propane) is below the lower detection limit and thus lower than the specific migration limit (SML).

The requirements of the regulation 94/62 EG concerning the heavy metal concentrations are fulfilled. The Heavy metal concentration was determined following migration in simulant 3 w/% acetic acid and 95%-ethanol and is below the lower detection limit:

barium, chrome, copper, mercury, lead, zinc, cobalt, iron, manganese and lithium

Due to the manufacturing process and the raw material used, the formation of NIAS (non-intentionally added substances, such as degradation or reaction products) cannot be excluded. As far as possible, these were assessed by an external laboratory. If a substance is classified as unsafe, IP packaging will inform the customer immediately.

Unintentionally added substances: styrene oligomers

The article may come in contact with all foodstuffs including acidic and fatty ones as well as alcoholic beverages. The tests were performed with 10 Vol. %, 95 Vol. % ethanol as well as 3 w/% acetic acid.

The intended duration and temperature of use and storage during food contact:

test conditions in labor (contact period, temperature):

10 Vol. %, 95 Vol. % ethanol and 3 w/% acetic acid

10 days up to 40°C respectively 4 hrs at 60°C

The maximum temperature must not exceed 90 ° C for a maximum of 50 minutes!

Below 0°C the product may become brittle and could crack or break under load.

The article is not suitable for use in conventional stoves or micro- wave, infrared or multi- purpose ovens.

Storage temperature: min. 4 °C / max. 40°C

Storage time: max. 2 years

The article has no functional barrier.

Ratio of food contact surface area to volume used to determine the compliance of the article:
surface to volume ratio = 6 dm²/kg food

Final conditions:

This declaration on foodstuffs and food safety is part of the respective contractual terms and conditions of purchase, supply and delivery. The customer has to be informed in advance of any change concerning the packaging material or process requiring an amendment to this specification.

Appropriate processing conditions for the articles have to be applied. The suitability of the articles for the application concerned, including their effect on smell and taste of the food and observe of any given limitations (for example overall migration, specific limits and other analytical requirements) must be tested and ensured in each case by the distributor.

Substances with specific migration limits and Dual Use – substances

Colour: white

<u>Substance</u>	<u>Ref.- No°</u>	<u>CAS- No°</u>	<u>SML [mg/dm²]</u>	<u>Dual-Use</u>
2,4-Bis(octylthiomethyl)-6-methylphenol	40020	110553-27-0	0,8 (sum of group limitation 38940 + 40020)	No
2-Ethyl-1-hexanol	17050	104-76-7	5	No
Butadiene	13630	106-99-0	NN (1 mg/kg in final product)	No
Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionat	68320	2082-79-3	1	No
Stearic acid	89040	57-11-4	none	No
Tetrakis(2,4-di-tert-butylphenyl)-4,4'biphenylen-diphosphonit	92560	38613-77-3	3	No
Zinc	None	None	0,83	No
Styrene	24610	100-42-5	None	No
Talc	92080	14807-96-6	None	Yes
Monocarboxylic acids, C2-C24, aliphatic, straight-chain, from natural fats and oils, and their mono-, di- and triglycerol esters (branched fatty acids in naturally occurring amounts are included)	30610	None	None	Yes
White mineral oils	95883	None	None	Yes
Triethylene glycol bis [3- (3-tert-butyl-4-hydroxy-5-methylphenyl) propionate]	94400	36443-68-2	1,5	No
Esters of glycerine with stearic acid	56585	None	None	Yes
Glycerine	18100 55920	0000056-81-5	None	Yes
Ester of glycerine with aliphatic saturated straight acid...	56486	None	None	Yes
Silica	83470	0014808-60-7	None	Yes
Titanium dioxide [E171]	93440	13463-67-7	None	Yes
Calciumoxid	41520	1305-78-8	None	Yes

Colour: champagne

<u>Substance</u>	<u>Ref.- No°</u>	<u>CAS- No°</u>	<u>SML [mg/dm²]</u>	<u>Dual-Use</u>
2,4-Bis(octylthiomethyl)-6-methylphenol	40020	110553-27-0	0,8 (sum of group limitation 38940 + 40020)	No
2-Ethyl-1-hexanol	17050	104-76-7	5	No
Barium	none	none	0,17	No
Butadiene	13630	106-99-0	NN (1 mg/kg in final product)	No
Iron	None	None	8	No
Carbon black	42080	1333-86-4	None	No
n-octyl phosphonic acid	68860	4724-48-5	0,008	No
Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate	68320	2082-79-3	1	No
Phosphoric acid, Tris (nonyl- and/or dinonyl) ester	74400	None	5	No
Stearic acid	89040	57-11-4	None	No
Tetrakis(2,4-di-tert-butylphenyl)-4,4'biphenylen-diphosphonit	92560	38613-77-3	3	No
Zinc	None	None	0,83	No
Styrene	24610	100-42-5	None	No
Titanium dioxide [E171]	93440	13463-67-7	None	Yes
Carbonic acid	42500	None	None	Yes
Talc	92080	14807-96-6	None	Yes

Monocarboxylic acids, C2-C24, aliphatic, straight-chain, from natural fats and oils, and their mono-, di- and triglycerol esters (branched fatty acids in naturally occurring amounts are included)	30610	None	None	Yes
Ester of glycerine with aliphatic saturated straight acid...	56486	None	None	Yes
Silica	83470	0014808-60-7	None	Yes
Esters of glycerine with stearic acid	56585	None	None	Yes
Calciumoxid	41520	1305-78-8	None	Yes

Colour: gold

<u>Substance</u>	<u>Ref.- No°</u>	<u>CAS-No°</u>	<u>SML [mg/dm2]</u>	<u>Dual-Use</u>
Butadiene	13630	106-99-0	NN (1 mg/kg in final product)	no
2,4-Bis(octylthiomethyl)-6-methylphenol	40020	110553-27-0	0,8 (sum of group limitation 38940 + 40020)	No
2-Ethyl-1-hexanol	17050	104-76-7	5	No
Barium	None	none	0,17	No
Carbon black	42080	1333-86-4	None	No
Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionat	68320	2082-79-3	1	No
Phosphoric acid, Tris(nonyl- und/oder dinonyl)ester	74400	none	5	No
Stearic acid	89040	57-11-4	none	No
Tetrakis(2,4-di-tert-butylphenyl)-4,4'-biphenylen-diphosphonit	92560	38613-77-3	3	No
Zinc	None	None	0,83	No
Styrene	24610	100-42-5	None	No
Iron	None	None	8	No
2,4-Di-tert-pentyl-6-[1-(3,5-di-tert-pentyl-2-hydroxyphenyl)ethyl]phenylacrylat	31530	123968-25-2	None	No
Lithium	None	None	0,1	No
Carbonic acid	42500	None	None	Yes
Ester of glycerine with aliphatic saturated straight acid...	56486	None	None	Yes
Talc	92080	14807-96-6	None	Yes
Monocarboxylic acids, C2-C24, aliphatic, straight-chain, from natural fats and oils, and their mono-, di- and triglycerol esters (branched fatty acids in naturally occurring amounts are included)	30610	None	None	Yes
Esters of glycerine with stearic acid	56585	None	None	Yes
Waxes, refined, obtained from petroleum-based or synthetic hydrocarbons, high viscosity	95859	None	None	Yes
Glimmer	67120	12001-26-2	None	Yes
Phosphoric acid	23170 72640	7664-38-2	None	Yes
Glycerine	18100 55920	0000056-81-5	None	Yes
Silica	83470	0014808-60-7	None	Yes
Titanium dioxide [E171]	93440	13463-67-7	None	Yes
Calciumoxid	41520	1305-78-8	None	Yes

