



DECLARATION OF COMPLIANCE

Process. 06.08
Document Nr INF.002
Creator A.Poels
Revision/date A/18.11.2024

DECLARATION OF COMPLIANCE FOR MATERIALS AND ARTICLES INTENDED TO COME INTO CONTACT WITH FOOD

Date and place: Erndtebrück, 25 November 2024

Manufacturer: AST Kunststoffverarbeitung GmbH
Mühlenweg 9
57339 Erndtebrück
Germany

Customer: AST Maszonski sp.j.
ul. Lipowa 36
Sulecin
PL-69-200

The manufacturer hereby declares to the customer that all components of the packaging products, as described, made from the materials, as described, meet the following requirements:

* **Regulation EU N° 1935/2004**, relating to articles and materials intended to come into contact with food - and amendments.

* **Regulation EU N° 10/2011**, specified to plastic material and articles intended to come into contact with food - and amendments.

* **Regulation EU N° 2023/2006**, on good manufacturing practice for articles and materials to come into contact with food - and amendments.

The production of the products is systematically reviewed with regards to good manufacturing practice (GMP) using our ISO 9001 System and following the Plastics Europe guideline specifically dedicated to GMP.

* **Directive 94/62/EC**, on packaging and packaging waste – and amendments.

Analyses done have shown that the overall concentration of cadmium, mercury, lead and chromium is lower than 100 ppm. In addition, the product has the potential to be recycled according to the requirements in this directive.

* **(EC) No 1907/2006**, on REACH Substances and Substances of Very High Concern (SVHC) – and amendments.

This product does not contain any of the Annex XIV substances on the Authorisation list or Annex XIV candidate chemicals proposed to be SVHC for Authorisation above the 0,1% threshold as stated in EC No° 1907/2006.

This declaration is restricted to the packaging products, materials and conditions as described on the following pages of this declaration.

Customer purchases following products from us:

AST Art. No.	Article	Material	Masterbatch
		HDPE - Transparent	HDPE - Blue



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Base Material: High-Density Polyethylene	HDPE
Food Contact Approved for use in EU by supplier	Total Energies OneTech (Belgium)
Migration Limited Substances	CAS: SML:
1-Hexene	592-41-6 3 mg/kg
poly-[[6-[N-(2,2,6,6-tetramethyl-4-piperidinyl)-n-butylamino]-1,3,5-triazine-2,4-diy]][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,6-hexanediy]][(2,2,6,6-tetramethyl-4-piperidinyl)imino]]-α-[N,N,N',N'-tetrabutyl-N''-(2,2,6,6-tetramethyl-4-piperidinyl)-N''-[6-(2,2,6,6-tetramethyl-4-piperidinylamino)-hexyl]-[1,3,5-triazine-2,4,6-triamine]-ω-N,N,N',N'-tetrabutyl-1,3,5-triazine-2,4-diamine] oly	192268-64-7 5 mg/kg
Non Intentionally Added Substances (Impurities or reaction residues)	CAS: SML:
2,6 Di-tert-butyl-4-ethylphenol	04130-42-1 4,8 mg/kg
4-Tert-butylphenol	00098-54-4 0,05 mg/kg
Dodecylbenzenesulfonic Acid	85536-14-7 30 mg/kg
1-Decene	872-05-9 0,05 mg/kg
Epichlorohydrin	106-89-8 0,01 mg/kg
Acetaldehyde	75-07-0 6 mg/kg
2,6-di-tert-butyl-p-cresol	128-37-0 3 mg/kg
Dual-Use Additives	E-NR.
Butylated hydroxytoluene	E321

Colorant: High-Density Polyethylene	HDPE
Food Contact Approved for use in EU by supplier	Avient Corporation
Migration Limited Substances	CAS: SML:
Aluminium	7429-90-5 1 mg/kg
Antimony Trioxide	1309-64-4 0,04 mg/kg
Arsenic	7440-38-2 0,01 mg/kg
Barium	7440-39-3 1 mg/kg
Cadmium	7440-43-9 0,002 mg/kg
Chromium	7440-47-3 0,01 mg/kg
Cobalt	7440-48-4 0,05 mg/kg
Copper	7440-50-8 5 mg/kg
Iron	7439-89-6 48 mg/kg
Lead	7439-92-1 0,01 mg/kg
Lithium	7439-93-2 0,6 mg/kg
Manganese	7439-96-5 0,6 mg/kg
Mercury	7439-97-6 0,01 mg/kg
Nickel	7440-02-0 0,02 mg/kg
Zinc	7440-66-6 5 mg/kg



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octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate	2082-79-3	6	mg/kg
Europium	7440-53-1	0,05	mg/kg
Gadolinium	7440-54-2	0,05	mg/kg
Lanthanum	7439-91-0	0,05	mg/kg
Terbium	7440-27-9	0,05	mg/kg
Non Intentionally Added Substances <i>(Impurities or reaction residues)</i>	CAS:	SML:	
Primary Aromatic Amines			
- listed entry 43 to Appendix 8 of Annex XVII, EU 1907/2006		0,002	mg/kg
- not listed in EU 1907/2006		0,01	mg/kg
Dual-Use Additives	E-NR.		
Calcium Carbonate	E170		
Iron Oxide	E172		
Silicon Dioxide	E551		

There are no other substances intentionally added than the above listed base material and colorants. Please contact us, if dual-use additives or migration limited substances also form part of the food content.



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Overall Migration

Contact Temperature:	40°C		
Duration of Contact:	10 days		
Contact Method:	Total Immersion		
Food Simulant & Dry Residue:			OML
	Ethanol 10% (A)	< 2 mg/dm ²	10
	Acetic Acid 3% (B)	< 2 mg/dm ²	10
	Olive Oil (D2)	< 2 mg/dm ²	10

Specific Migration

Contact Temperature:	60°C
Duration of Contact:	10 days
Contact Method:	Total Immersion
Food Simulant:	Ethanol 10% (A)
	Acetic Acid 3% (B)
	Olive Oil (D2)

Organoleptic Examination

In the sensory evaluation of food contact material with tap water, deviations were not or only slightly detectable. Organoleptic properties are influenced by the conditions of use i.e. temperature, type of packaged foodstuff, storage conditions. Consequently, the packaging must be controlled by the downstream user following the specific end-use conditions of use.

Relevant Migration Report:

Eurofins Institut Nehring GmbH

AR-24-JR-021743-01, of 07.10.2024
AR-24-JR-022879-01, of 30.09.2024

The ratio of the area in contact with food to the volume by which the conformity of the material or article has been established is expressed in figures: 6 dm² to 1 kg of food.



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Test conditions and restrictions regarding food-contact, packaging use and storage:

All masterbatch - raw material combinations, listed on the previous page, are physically tested on overall migration by certified laboratories with positive results.

The overall migration is determined in mg/dm² contact surface. The specific migration result is determined in mg/kg food simulant. A standard contact surface of 6 dm²/l is regarded to calculate the specific migration on the laboratory test sample. This is a worst-case situation, as contact areas in larger cans are relatively smaller pro liter. Regarding migration, our canisters and drums are complaint with the EU No° 10/2011 regulation, provided the density of the food content is 0,80kg/l or more.

Overall migration is determined with test during 10 days at a temperature of 40°C, specific migration is determined for 10 days testing at a higher temperature of 60°C, both with positive results. This makes our products suitable for storage of food longer than 6 months at room temperature or lower, see regulation EU 10/2011, Annex V, Chapter 2.1.4.

Short hot filling of a canister with a food product is allowed regarding migration, with a temperature of not more than 100°C at the time of filling, whereafter the food product cools down until 50°C within 60 minutes, or to 30°C or less within 150 minutes. See definition in regulation EU 10/2011 Article 3 (19). However, this is not advised due to the possible loss of strength and shape of the bottle or can, including risk of neck/closure problems.

For other specific conditions of use, not covered above, it pertains to downstream users to check appropriate overall and/or specific migration tests on the final material or article the suitability for contact with different food-types and various end-use conditions. However, these are beyond control of AST and are part of the responsibility of the user of above mentioned product.

The test results of specific migration are not corrected with a fat reduction factor.

Non-intentionally added substances (NIAS)

Non-intentionally added substances (NIAS) comprise: impurities, reaction intermediates, decomposition products, etc. which are not intentionally added, nor a controlled part of the production process. Identifying these substances and providing a worst-case concentration is not always possible.

Incidents with these substances exceeding detection or specific migration limits can't be ruled out completely, but regarding average consumption, migration is not expected to provide health risks (complying to EU 1935/2004 framework regulation).

If we are informed regarding NIAS and suspect any substantial migration above detection limits or specific migration limit, according regulation EU 10/2011, we request advice from the supplier. If necessary, in combination with a certified laboratory performing additional tests to evaluate the NIAS risk and take preventive measurements.



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DISCLAIMER:

Available data, regarding migration test reports, specifications and supplier food approvals, can be viewed in our headquarter in Erndtebrück on request, as far as we are not bound confidentially. Sending copies regarding migration is not possible, due to the combined tests concerning other materials and customers and due to non-disclosure agreements with suppliers.

"This declaration is subject to document monitoring and is valid indefinitely, in case of changes in applicable regulations during this period a new version of this statement will be set up. Upon the expiration of this declaration, we can issue a new one at your request. "

Upon receipt of this declaration of conformity, the previous version declaration becomes invalid.

Yours sincerely,

AST Kunststoffverarbeitung GmbH

Please note that all information in this confirmation is based on our current knowledge and experience. The user cannot be exempted from his own checks. It is the sole responsibility of the customer to check the final suitability of the selected product for its intended use. Our customers are responsible for observing existing laws and regulations.