



INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a. s.

třída Tomáše Bati 299, Louky, 763 02 Zlín, Czech Republic
TESTING LABORATORY - TESTING DIVISION

Issues

ATTEST No. 472113120-01

on sample:

Flexible Ambalage for Food Packaging
Product No. 12-15-142 (PE foil)

Client:

Maya Plastik Ambalaj Sanayi Ve Ticaret A S
Beylikdüzü Organize Sanayi Bölgesi Mermerciler Sitesi,
2. Cadde 1. Bulvar No:12 Beylikdüzü, Istanbul, Turkey

Assessment of the technical parameters:

The evaluated parameters mentioned on the page 2 of this Attest meet:

- the requirements of **Code of Federal Regulations, Title 21 – Food and Drugs, Part 177, §177.1520 Olefin polymers (c)**
Specifications 2.1. Polyethylene for use in articles that contact food except for articles used for packing or holding food during cooking and
specifications 2.2. Polyethylene for use in articles used for packing or holding food during cooking.

Assessment of raw materials as required Code of Federal Regulations, Title 21 – Food and Drugs, Part 177, §177.1520 Olefin polymers is not a part of this attest.

This Attest was issued on the basis of following document: ALTR No. 472113120-01 from April 14, 2020, issued by Institut pro testování a certifikaci, a.s. Zlín.

Issued on: April 14, 2020

Valid till: April 30, 2023



Dipl. Ing. Jiří Samsonek, Ph.D.
Head of the testing laboratory

Conditions for use of the Attest and associated information:

- 1. The Attest applies only to the sample tested by our laboratory.*
- 2. The Attest remains in effect until production technology, initial materials and standards or corresponding regulations are changed; however, its validity will extend beyond the period of its effect.*
- 3. If further requirements of national or EU legal regulations apply to the product, the Attest does not replace procedures and documents necessary for assessment of compliance with these regulations.*



ATTEST

No. 472113120-01

on sample:

Flexible Ambalage for Food Packaging

Product No. 12-15-142 (PE foil)

Value obtained according to the requirements of FDA 21 CFR 177.1520 (c)

Parameter	Unit	Value obtained				Uncertainty ¹⁾	Limit
		1.	2.	3.	Mean		
Density	g/cm ³	0,921	0,921	0,921	0,921	0,002	0,85 - 1,0 ^{2), 3)}
Extractable fraction in n-hexane at 50°C/2h	% w/w	1,15	1,21	1,19	1,18	0,08	max. 5,50 ²⁾ max. 2,60 ³⁾
Soluble fraction in xylene at 25 °C	% w/w	1,21	1,10	1,24	1,18	0,12	max. 11,30 ^{2), 3)}

Notes to the table:

- ¹⁾ the reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.
- ²⁾ limit values for PE according to FDA 21 CFR 177.1520 (c) Specifications: 2.1. Polyethylene for use in articles that contact food except for articles used for packing or holding food during cooking
- ³⁾ limit values for PE according to FDA 21 CFR 177.1520 (c) Specifications: 2.2. Polyethylene for use in articles used for packing or holding food during cooking



Conditions for use of the Attest and associated information:

1. The Attest applies only to the sample tested by our laboratory.
2. The Attest remains in effect until production technology, initial materials and standards or corresponding regulations are changed; however, its validity will extend beyond the period of its effect.
3. If further requirements of national or EU legal regulations apply to the product, the Attest does not replace procedures and documents necessary for assessment of compliance with these regulations.