

**UKRAINE**  
**THE INDEPENDENT CENTRE OF LABORATORY RESEARCHES «ETALON»**  
 Accreditation Attestation NAAU (DSTU ISO/IEC 17025:2006) № 2H846 till March 09, 2020

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2H846  
ДСТУ ISO/IEC 17025

**PROTOCOL №1414**  
 of testing  
 May, 17, 2019

The director of ICLR «Etalon»

Kravtsov O. N.

May, 17, 2019

Customer, address, Tel/Fax: Ukrstandart Certification Ltd., 1, Acad Alexandrova Street, Zaporozhye city, acting on an order  
 Private entrepreneur Farenik Arsentii, ITN: 3219418074 Address: Kyiv region, Pereyaslavske, 08420, Ukraine

Production name: Cane drinking straws

Date of production: 2018

Production consignment size/Lot: information was not provided

Statement of selection: numberless of May, 06, 2019 (commission members: head's assistant Prykhod'ko A.B.)

Sample state and description: in paper bag

Producing company: Private entrepreneur Farenik Arsentii, ITN: 3219418074 Address: Kyiv region, Pereyaslavske, 08420, Ukraine

Date of receiving the samples for the researches: May, 08, 2019

Period of the researches: May, 08, 2018 - May, 20, 2019

Object of the researches: is the samples testing for meeting the requirements of Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food and 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

**RESULTS OF THE RESEARCHES:**

| №                                       | Titles of the researches items and figures       | Factual value | Allowable level | Documents and researching methods   | Uncertainty |
|-----------------------------------------|--------------------------------------------------|---------------|-----------------|-------------------------------------|-------------|
| <b>Physical and chemical parameters</b> |                                                  |               |                 |                                     |             |
| 1.                                      | Dry residue after exposition, mg/dm <sup>2</sup> | 3,7           | ≤ 60            | EN 1186-1:2002                      | 0,02**      |
| <b>Toxic elements content</b>           |                                                  |               |                 |                                     |             |
| 2.                                      | Lead, mg/dm <sup>3</sup> (simulants)             | < 0,01*       | Not regulated   | DSTU ISO 15586:2012, MVV 101-028-19 |             |
| 3.                                      | Cadmium, mg/dm <sup>3</sup> (simulants)          | < 0,001*      | Not regulated   | DSTU ISO 15586:2012, MVV 101-028-19 |             |
| 4.                                      | Mercury, mg/dm <sup>3</sup> (simulants)          | < 0,002*      | Not regulated   | DSTU ISO 15586:2012, MVV 101-028-19 |             |

\* – Method Detection Limit (MDL)

\*\* – Measurement uncertainty calculated according to PSU 5.4/01-01

**NOTE:**

Parameter 1: ND on the method of testing outside the scope of accreditation

The test conditions- simulants: The exposure period distilled water - 10 days. The ratio of the sample area (cm<sup>2</sup>) to the volume of the simulants (cm<sup>3</sup>) - 1: 1. The ambient temperature, °C: 19,0-21,8; humidity, %: 76,0 – 79,0; atmospheric pressure, kPa: 98,2-99,0.

**Conclusion:** the sample meets the requirements of of Commission Regulation (EU) No 10/2011 and Regulation (EC) No 1935/2004 by indicated parameters.

**The researchers:**

I. M. Varanytsia

S.A. Dorotyuk