# TESTING LABORATORY “\*\*\*\*\*\*\*\*”

Legal address: \*\*\*\*\*\*

Web: \*\*\*\*\*\*

Actual address: \*\*\*\*\*

Tel./Fax: \*\*\*\*\*

e-mail: [\*\*\*\*\*\*](mailto:pli2006@yandex.ru)

**Accreditation certificate №\*\*\*\*\*\* (date of \*\*\*\*\*\*\*\*09.09.2014)**

**APPROVED**

**Laboratory Director**

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**TEST REPORT № 2-\*\*\*\*\*\*\*\***

**January 26, 20\*\*\***

|  |  |
| --- | --- |
| 1. Applicant | **LLC "\*\*\*\*\*\*\*"**  **\*\*\*\*\*\*\*** |
| 2. Test Item | **Polyethylene terephthalate three-layer film (PET), produced by extrusion,**  **TU \*\*\*\*\*\*\*\*** |
| 3. Item № | **96\*\*\*\*\*** |
| 4. Manufacturer | **LLC "\*\*\*\*\*\*\*"**  **\*\*\*\*\*\*\*\*** |
| 5. Testing period | **25.12.20\*\*- 26.01.20\*\*\*** |
| 6. Standard | **Unified sanitary-epidemiological and hygienic requirements, approved by Decision №299, chapter II, section 6** |
| 7. Number of items tested |  |
| 8. Test conditions | **Temperature 21±2 °C, Humidity 61±5%** |

1. this report applies only to the samples tested
2. this report may not be partially or completely copied or reprinted without permission of Testing Laboratory "\*\*\*\*\*»
3. measurement inaccuracies do not exceed those specified in the Regulatory Documents.

**TEST SUMMARY REPORT № 2-\*\*\*\*\*\*\***

**Purpose:** for the manufacture of disposable tableware and different types of food packaging

**Test/simulation conditions:**

- the air environment from hermetically sealed thermostatic chambers, with a sample placed in them, was examined at temperatures of 20°C and 40°C and saturation (the ratio of the surface area of the sample to the volume of the chamber).

Chemical studies of the air environment of the chambers were carried out in the mode of forced ventilation of the chamber with a sample of purified air with an air exchange rate of 1 volume/hour: dynamic mode.

Air sampling for analysis is carried out 2 days after the establishment of the simulated conditions, after that till the concentrations are constant in 2 consecutive samples with a discrepancy of no more than 15%.

Test results:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| № | Index | Units | Permissible value “no more than” | Regulatory Documents | Sample № | Results | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 1 | Acetaldehyde | Mg/m3 | 0,01 | \*\*\*\*\* | \*\*\*\*\* | < 0,01  < 0,01 | |
| 2 | Isopropyl alcohol | Mg/m3 | 0,03 | \*\*\*\* | \*\*\*\* | < 0,01  < 0,01 | |
| 3 | Methyl alcohol | Mg/m3 | 0,10 | \*\*\*\* | \*\*\*\* | < 0,02  < 0,02 | |
| 4 | Formaldehyde | Mg/m3 | 0,02 | \*\*\*\*\* | \*\*\* |  | < 0,004  < 0,004 |
| 5 | Odour | Points | 2 | \*\*\*\* | \*\*\*T | 1 | |
| 6 | Toxicity index | % | 70-120 | \*\*\*\*\*\* | \*\*\*\*T | 82,2 | |

Summary:

- the volatile components released from the sample do not irritate the mucous membranes of the upper respiratory tract;

- the release of harmful substances into the air does not exceed the hygienic norms;

- odour intensity does not exceed the hygienic norm;

The tested sample meets Unified sanitary-epidemiological and hygienic requirements of \*\*\*\*\*\*\*,

№299, chapter II, section 6 in terms of tested indexes. This report applies only to the samples tested.

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| Head of the Department of Toxicological and Sanitary-Chemical Tests, Candidate of Chemical Sciences | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_L\*\*\*\*\*\* |