

Packaging spectrum

BLOK NAUKOWY PRZYGOTOWANY
WE WSPÓŁPRACY Z SIECIĄ BADAWCZĄ ŁUKASIEWICZ
– COBRO – INSTYTUTEM BADAWCZYM OPAKOWAŃ



RESEARCH AND CERTIFICATION

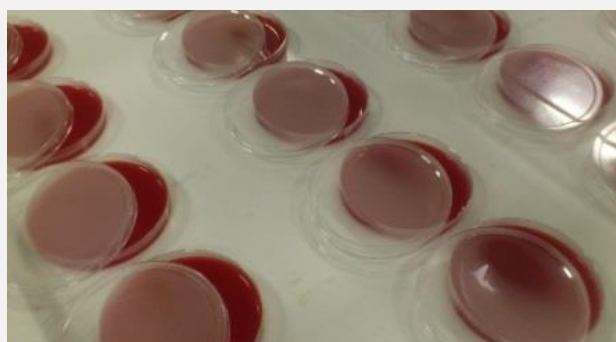
Andrzej KORNACKI, FUTAMURA

IMPORTANCE OF PROPER PETRI DISHES PACKAGING FOR THEIR QUALITY AND DURABILITY

Petri dishes are one of the basic vessels used in the cultivation of microorganisms. To enable testing, their bottom is covered with a special microbiological substrate.

High requirements for the production processes of such a substrate include also packaging and storage methods. Packaging must be hermetic and ensure full hygiene of the dishes with the prepared substrate.

However, it should also ensure the stability of properties – the right concentration of individual components. An interesting solution is in this case cellulose foil, which used in the place of the BOPP polypropylene film does not require any modification of the machines.



The thematic scope of articles published in Packaging Spectrum includes the following sections: Materials and Packaging, Research and Certification, Technologies, Machines and Equipment, Logistics, Management and Marketing, Sociology and Law, Economics and the Market. We cordially invite you to cooperation and publication. Please contact editorial assistant Joanna Kuzincow, redakcja@cobro.org.pl



RETAIL PACKAGING TESTING

- **Physical and mechanical tests**

Contact: M. Sc., Eng. Jacek Frydrych, Tel.: +4822 8422011 int.32, e-mail: frydrychj@cobro.org.pl;

- **Chemical and sensory tests**

Contact: M. Sc., Eng. Katarzyna Samsonowska, Tel.: +4822 8422011 int.27, e-mail: lab_opak_jedn@cobro.org.pl;
PhD, Eng. Monika Kaczmarczyk, tel.: +4822 8422011 int. 42, e-mail: kaczmarczyk@cobro.org.pl

- **Examination of packaging provided with closures making it difficult for children to open**

Contact: M. Sc., Eng. Małgorzata Pawlicka, tel.: +4822 8422011 int. 55, e-mail: lab_opak_jedn@cobro.org.pl,
PhD, Eng. Monika Kaczmarczyk, tel.: +4822 8422011 int. 42, e-mail: kaczmarczyk@cobro.org.pl

TRANSPORT PACKAGING TESTING

- **UN certification testing**

- **B certification testing**

- **Expertise testing**

Contact: M.Sc. Eng. Andrzej Milewski, tel.: +4822 8422011 int.30, e-mail: milewski@cobro.org.pl

CERTIFICATION

CERTIFICATION FOR AC 016 ACCREDITATION

- **Certification for UN**

- **Re-processing**

- **Certification of packaging protected against opening by a child**

Contact: M.Sc. Eng. Andrzej Milewski, tel.: +4822 8422011 int.30, e-mail: milewski@cobro.org.pl

CERTIFICATION OUTSIDE THE SCOPE OF ACCREDITATION

- **Certification for B**

- **Certification of compliance with the requirements of standards**

- **Certification of products suitable for composting**

Contact: Packaging and Environment Department, tel. 22 842 20 11 int.39, e-mail: eko@cobro.org.pl

- **Certification of the content of renewable raw materials**

Contact: MA Grzegorz Ganczewski, tel. (22) 842 20 11 int. 58 fax (22) 842 23 03, e-mail: ganczewski@cobro.org.pl

ECOLOGY

- **Assessment of conformity with the requirements of the packaging**

- **LCA (Life Cycle Assessment)**

- **Calculation of greenhouse gas emissions (carbon footprint)**

- **Initial assessment of compostability**

- **Certification of the content of renewable raw materials**

- **Color measurement test**

- **COBRO recommendation: recovery organizations**

Contact: Packaging and Environment Department, tel. 22 842 20 11 int.39, e-mail: eko@cobro.org.pl

THE ŁUKASIEWICZ RESEARCH NETWORK EUROPE'S THIRD LARGEST RESEARCH NETWORK



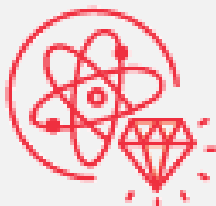
**A BRIDGE BETWEEN
THE RESEARCH AND THE ECONOMY**



**A TRANSFER OF KNOWLEDGE
INTO THE ECONOMY**



**RESEARCH OF AREAS OF STRATEGIC
IMPORTANCE FOR THE COUNTRY'S
DEVELOPMENT**



**STRENGTHENING THE INTERNATIONAL
POSITION OF POLISH RESEARCH**



**RESEARCH AND ANALYTICAL
RESOURCES FOR THE POLISH
GOVERNMENT**