

# ADDED VALUE

## Laboratory Services



# LABORATORY SERVICE

Creating Added Value together!



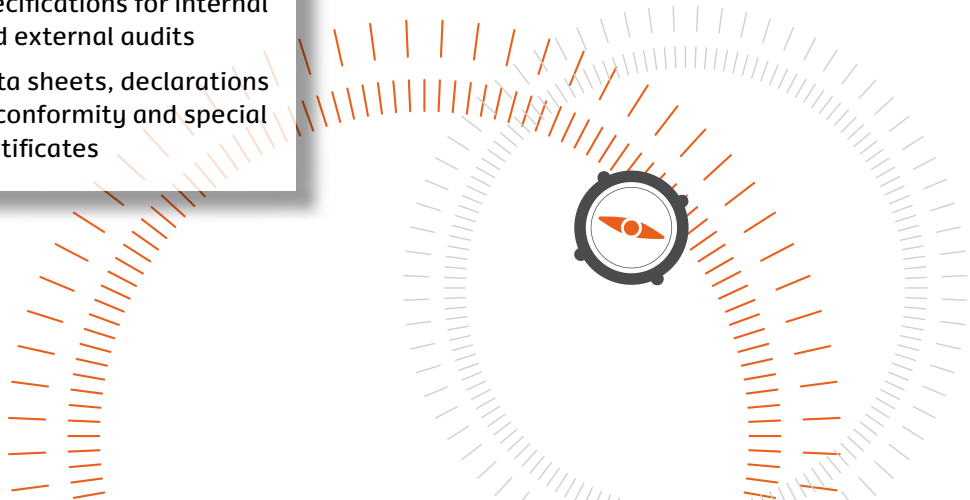
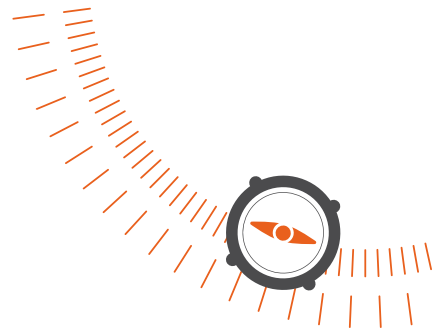
## Our Service

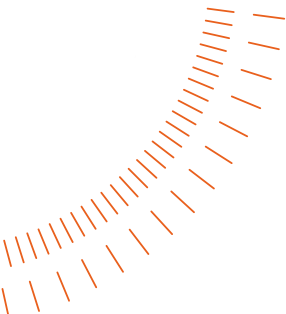
- ▶ Advanced measurements and analyses (puncture tests, permeability etc.)
- ▶ Substantiated specifications for internal and external audits
- ▶ Data sheets, declarations of conformity and special certificates

## ▶ Quality management

Round the clock inspections of our production, measurements taken at the machines, integrated inspection systems, fast laboratory analyses – these are the cornerstones of our constantly high film quality.

Wipak has film test labs with state-of-the-art equipment, and many years of experience in film analysis, and this is made available to our customers, too.





## ▶ Regulatory affairs

The food and medical law is a challenge for both manufacturers and packaging producers. In order to be able to meet international standards, we support our customers in the selection of suitable packaging films. They are thus able to prove that Wipak packages are uncritical for their application, that they do not affect the product, and that they ensure the shelf life of the products.



## ▶ Film analysis

Is there a migration between package and product? Which substances have toxicologically critical potential? Which forces are required to easily open a package?

In our film analysis lab, our specialists provide answers to these and other questions.

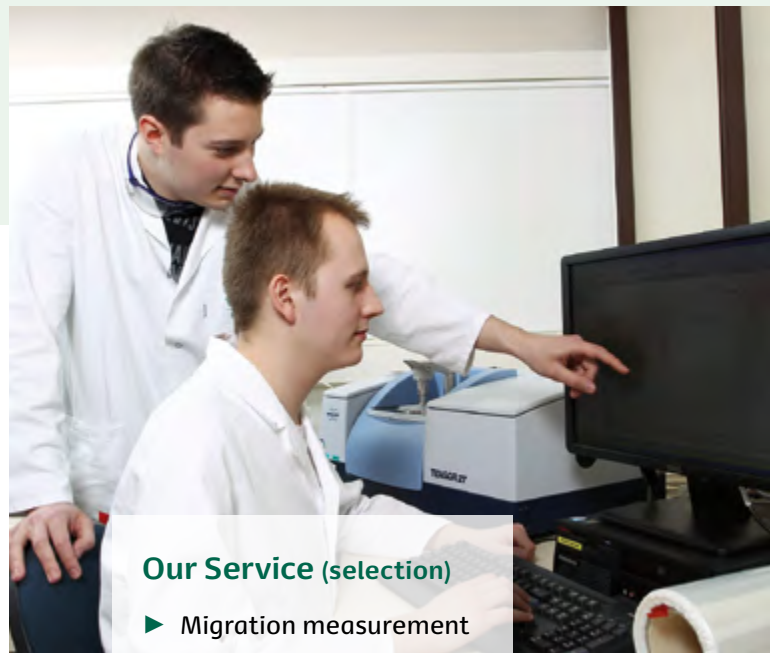
We measure the oxygen permeability, check the puncture resistance, or analyze whether the layer structure meets product requirements. For this, we closely cooperate with Quality Management, with Development, and – in special cases – also with external institutes. For our customers this means safety, reliability and time savings.





## ▶ Test labs

The Wipak Group operates a state-of-the-art film analysis lab. To make sure that we deliver odourless and tasteless films, the determination of residual solvents for print colours is one of our standard tests. This process is monitored and complemented by our trained Sensor Panel. For composite films with oxygen barrier, we regularly check whether the functional layers meet the specifications.



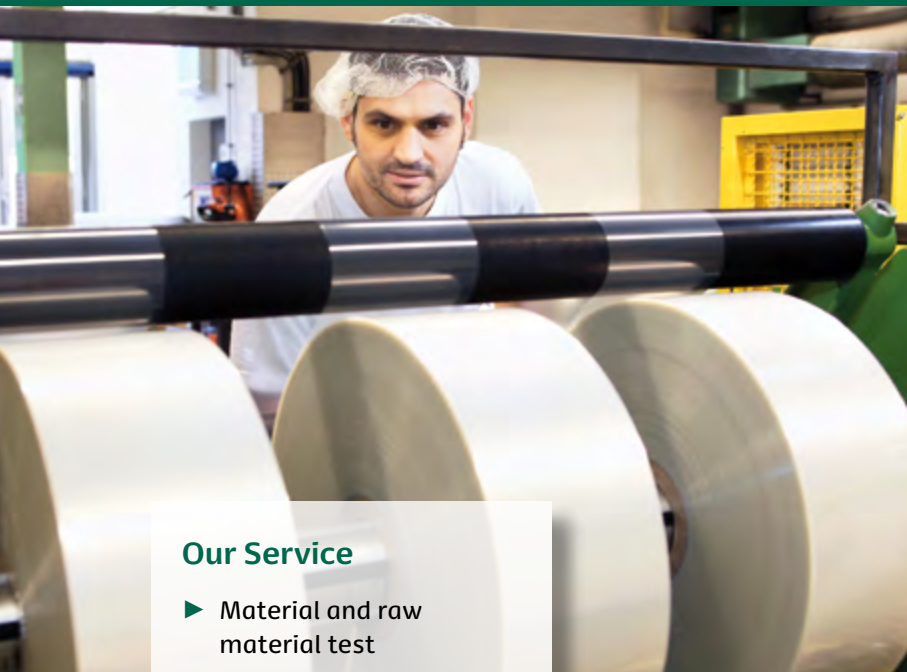
### Our Service (selection)

- ▶ Migration measurement
- ▶ Permeation measurements (oxygen and steam permeability)
- ▶ Determination of residual solvents and layer thicknesses
- ▶ Mechanical test
- ▶ Microbiological tests
- ▶ IR spectroscopy
- ▶ Organoleptic test
- ▶ Determination of amine



# PILOT PLANT

Testing raw materials, extruding small quantities, laminating and printing samples



## Our Service

- ▶ Material and raw material test
- ▶ Sample reels for packaging trials
- ▶ Co-extrusion of blow films
- ▶ Lamination
- ▶ Slitting and wrapping

Which properties do granulates have? How can sealing properties be improved? How can the rigidity be increased?

The Pilot Plant of the Wipak Group is an important link between Development, Production and Sales.

Here we produce sample rolls for packaging trials, we test new raw materials and we carry out tests that cannot possibly be made under production conditions. The key production steps can thus be reproduced here on a small scale.

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## **Partner in Packaging**

The Wipak Group develops and produces sophisticated packaging solutions for food products as well as for medical instruments and devices. Part of the Finnish Wihuri Group, Wipak has acquired a leading position for multi-layer films in Europe – in particular for barrier films. Comprehensive services – from pack design to technical training – are important factors of our success, making sure that our products support our customers to create added value.

[www.wipak.com](http://www.wipak.com)

