

## Food Contact Material Testing

Glass  
Plastics  
Recycled  
Ceramics  
Adhesives  
Films - Foils  
Metal - Alloys  
Paper - Board  
Rubbers - Silicones  
Varnishes, Inks, Coatings

Food & Packaging safety

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**Overall Migration**  
**Specific Migration**

**NIAS screening**

**Set off analysis**

**Heavy Metals analysis on FCMs**

**Physical properties**

**Mechanical properties**

**Sensory testing**

For Packaging Testing solutions call **+30 210 4171597**  
or email **info@erganal.gr**

ERGANAL, your Laboratory testing partner

## **Overall Migration**

Ensure EC 10/2011 product conformity. Testing is based on EU standard EN 1186: 2002. A,B,C,D1,D2,E food simulants are provided.

## **Specific Migration**

Toxicological studies evaluate individual substances, plastic additives & REACH substances. Studies are based on EN 13130:2004 standard.

## **NIAS Screening**

Non Intentionally Added Substances e.g. chemicals not added for technical reasons during production process. The ideal analysis for recycled materials.

## **Set off**

Set off migration is frequent for film foils or paper cups. Test yours now!

## **Heavy Metals**

Evaluate product conformity based on European & International regulations We test Paper - Board, Plastic, Metal - Alloys, Glass - Ceramics & Recycled materials.

## **Physical Properties**


FTIR identification for materials & coatings. Determinate glass transition, melting & crystallization temperatures of polymers. Test oxygen & moisture permeability. Evaluate Microwave Suitability.

## **Mechanical Properties**

Tensile strength, Delamination force, Flexural strength, Tear resistance, Puncture resistance, Barrier, Freeze & other tests.

## **Sensory Testing**

We provide consulting & testing services adopted to your products organoleptic properties. Sensory evaluation is performed according to DIN 10955 & EN 1230:2009.



Migration from FCMs, could alter organoleptic food characteristics, deteriorate product quality & endanger human health.

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To prevent FCMs from being a source of chemical contamination, ERGANAL's Packaging testing services are in accordance with National, European & International regulations.

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European regulation (EC) No 1935/2004

European regulation (EC) No 10/2011

**Overall migration** European standard EN 1186: 2002

**Specific migration** EN 13130: 2004

**Heavy metals** EU 94/62/EC

**Paper & Board** Greek & BfR

**Metal & Alloys** CM/Res (2013) 9

**Ceramics** 84/500/EEC

Epoxy derivatives in materials (EC) No 1895/2005

**Sensory testing** DIN 10955 & EN 1230: 2009

# Food Contact Material Testing

ERGANAL laboratories assist you ensure food & consumer safety by reliably controlling Food Contact Materials using state-of-the-art equipment.

Our experienced packaging scientists also provide **consulting** services to make sure your product undergoes the appropriate Packaging Testing.

For further information please contact our team by  
calling **+ 30 210 4171597**  
or emailing **info@erganal.gr**

