

THE VENTILATED SYSTEM TO THE TEST

# NEW AIR IN THE KITCHEN



## THE AERATED CONTAINER

for organic waste

Use	ventilated, under the sink
Capacity (lt)	10
Shape	trapezoidal
Dimensions (cm)	27 x 22 x 27,5 cm
Walls and lid	perforated
Bottom	shaped and perforated
Material	recycled polypropylene



But what dose it happen inside?

## THE TEST

We asked **ALTEREKO** to test the ventilated system in order to demonstrate:

1. **Weight reduction**
2. **Reduction of odors, leachate, mold**
3. **Bag strenght**



**altereko**

A consulting company committed to providing circular economy solutions for municipal solid waste, with experts operating for 25 years in Italy and abroad

## SCRAPS AND USED MATERIALS

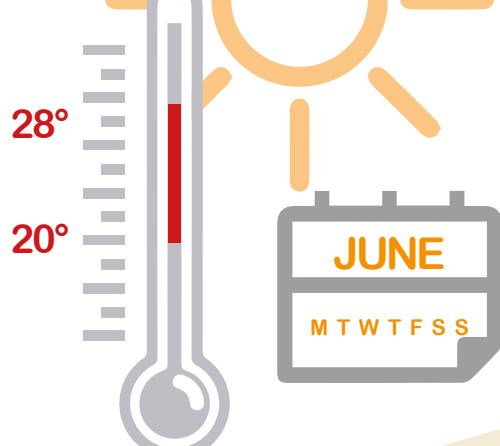
For the aerated container tests has been used:

- Commercial **biodegradable and compostable bag** certified OK COMPOST (UNI EN 13432)
- **Fresh and cooked food waste**
- **Paper** (small quantities)



## WHEN

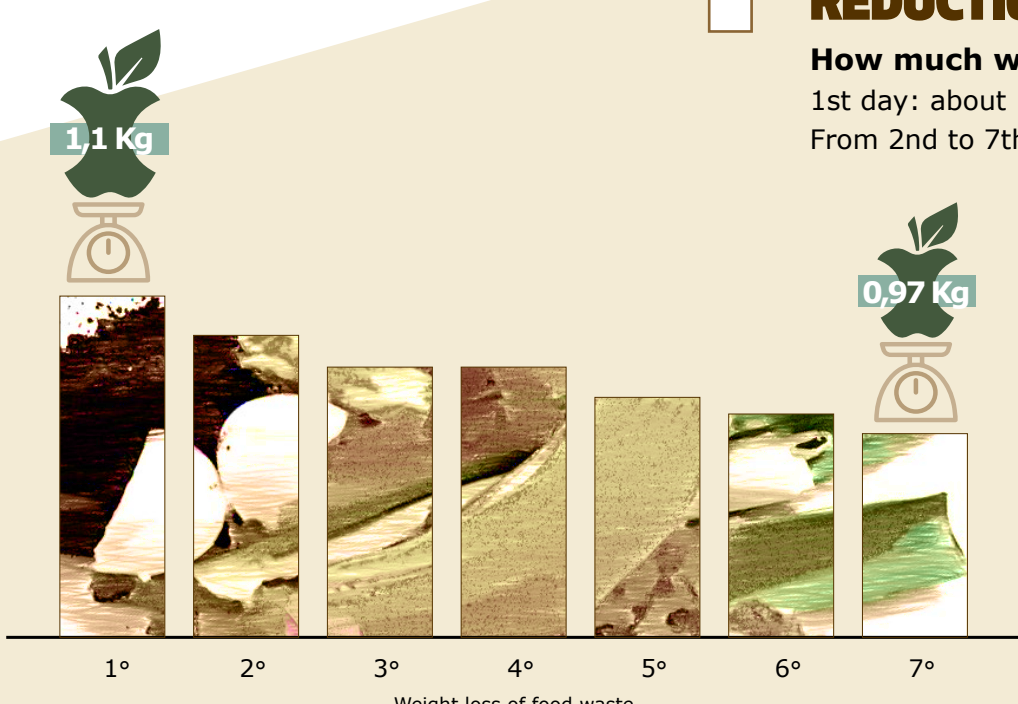
DATE	June
DURATION	1 week
TEMPERATURES	between 20°C and 28°C



## 1 WEIGHT REDUCTION

**How much waste can it manage?**

1st day: about 1.1 kg inside  
From 2nd to 7th day: no additions



**After 7 days, the waste lost 12% of its original weight**

**A good saving for the public service management**

## CLOSED OR AERED

**Another test**, carried out in the autumn, compared the organic collection in a closed container and a ventilated one

**The results led to a reduction of 3% in weight of the material with the closed system and of 22% with the ventilated system!**



## 2 REDUCTION OF ODORS, LEACHATE AND MOLD

**The collection of organic waste is also a matter of ... nose!**

During the degradation process of organic waste, the formation of odors and molds is natural; **the ventilated container guarantees a passage of air that slows down the degradation process.**



**7th DAY**

**bag intact, slight odor, mold, rare flies and no leachate**

## 3 THE STRENGTH OF THE BAG

**At the end of the 7 days of testing the bag is completely intact and able to lift the waste.**

This can be possible only with the use of biodegradable and compostable certified bags.

