Qualitative disintegration test modified ISO 16929

- Samples placed in plastic film frame
- Frames placed in plastic bin filled with soil substrate

- Test time 12 weeks
- Conditioning room 23°C, RH 50%
- Pictures after 6 and 12 weeks





Disintegration screening with in-house method.

Modified ISO 16929

Qualitative disintegration tests are typically used to obtain some first internal results.

Disintegration results after 12 weeks

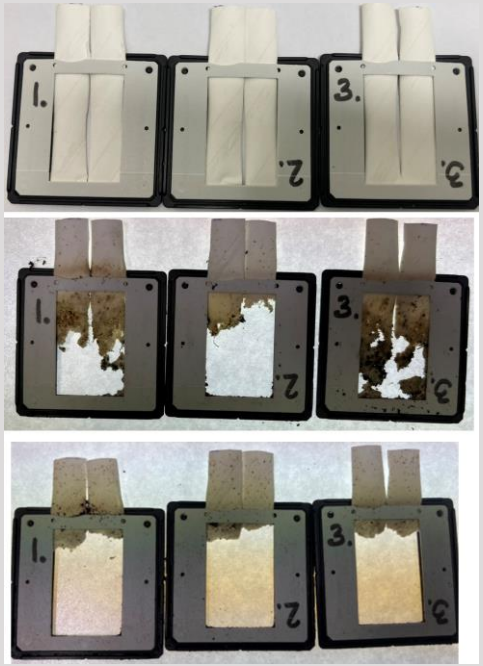
BiBaC straw 8 mm

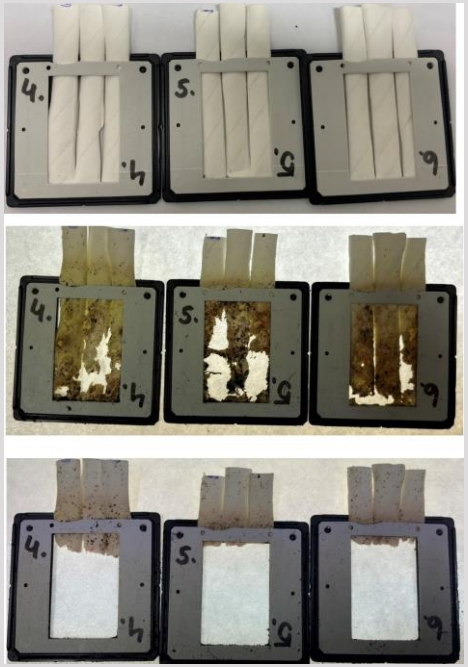
BiBaC straw 6 mm

Before

After 6 weeks

After 12 weeks



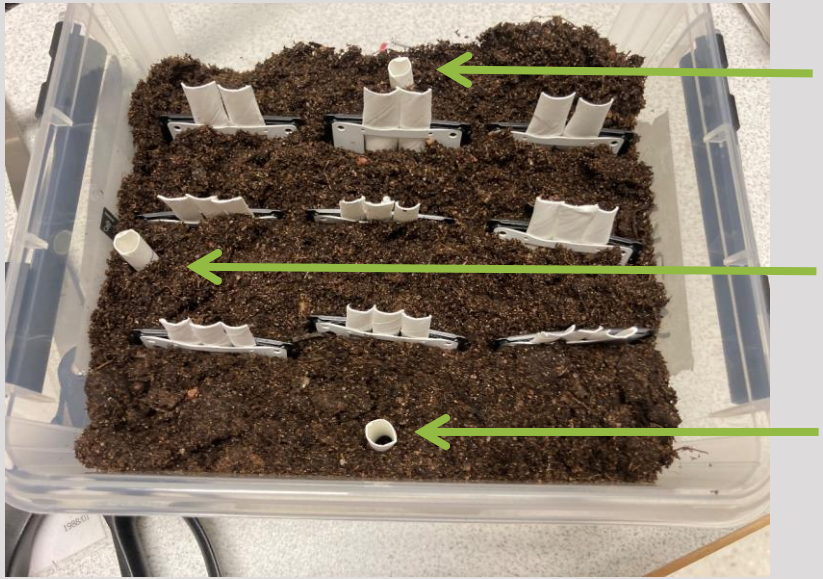


All samples have disintegrated

Disintegration BiBac straw 8 mm as is

BiBaC straw 8 mm

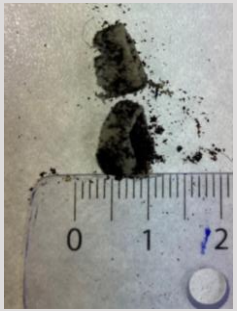
6 cm sample
5 cm in soil (first 6 weeks)
Totally in soil between 6-12 weeks







After 6 weeks



After 12 weeks

The “original 1 cm surface part” of two straws were found.

One straw disappeard, nothing remained

After 6 weeks:

50 % (2,5 cm) disintegrated

The remaining ~50% of the straw was pushed into the soil (surface level)

After 12 weeks:

Close to 100 % disintegration