

Data: 26/06/2020

Executive Summary

Industrial compostability testing program
on **Napkin White**
(Thickness: 83.9 μm – Grammage: 16,3 g/m²)

According to
EN 13432:2000

**Customer and address: ESSITY ITALY
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LUCCA**

Results reported in this test report are referred exclusively to the sample analyzed by the laboratory. This test report cannot be reproduced partially, unless specified by the laboratory in writing.

Residues of the samples are stored for 36 months since the issue of the Test Report.

The analysis are carried out in the Lucca plant.

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TEST REPORT n° 21LD05575

An industrial compostability testing program was executed on Napkin White in line with the European standard EN 13432-Requirements for packaging recoverable through composting and biodegradation – Test scheme and evaluation criteria for the final acceptance of packaging (2000).

An overview of tests performed is given in Table 1. The detailed test results are given in the specific test reports.

Table 1. Overview of the test performed

Test	Napkin White	Test Report
Chemical Characteristics	X	19LA09473
Biodegradation test	X	19LA23819
Disintegration test	X	19LA27500
Ecotoxicity test	X	19LA27500

Chemical Characterization

The volatile solids concentration, heavy metals and fluorine content of sample xxx are reported in the test report 19LA09473. The test material fulfils all requirements on volatile solids, heavy metals and fluorine in accordance to standard EN 13432:2000.

Biodegradation test

The quantitative biodegradation of sample xxx in mature compost was evaluated in accordance to ISO 14855-1:2013 (see test report 19LA23819). After 90 days, the test material has showed a biodegradation fulfil the 90 % pass level as required by EN 13432:2000.

Disintegration test

The quantitative disintegration of sample 19LA27500 was evaluated in a pilot-scale aerobic composting test according to ISO 16929:2019. After 12 weeks of composting, a 100 % complete disintegration was obtained for sample Napkin White. The test material easily fulfill the 90 % pass level as required by EN 13432:2000.

Compost quality – Ecotoxicity tests

The addition of Napkin White at start of the composting did not cause a negative effect on compost quality (including chemical parameters and ecotoxicity tests). Napkin White does fulfill the requirements on compost quality as stipulated by EN 13432:2000.

Technical Manager

