

Data: 11/11/2025

EXECUTIVE SUMMARY

Industrial compostability testing program
according to EN 13432:2000 on
Napkin white 16,3 (Batch n° 7501564536 del 04.04.25)

Customer and address:
ESSITY PLD ITALY SPA VIA
AVVOCATO DEL MAGRO,786
55016 PORCARI (Italia)

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.

Ecol Studio SpA is a laboratory certified for OK Compost Industrial tests.

An industrial compostability testing program was executed on **Napkin white 16,3 (Batch n° 7501564536 del 04.04.25)** in line with the European norm 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 various reports.

Table 1. Overview of the test performed

Test	Sample	Test Report
Material Characteristics	X	25LA37227
Biodegradation test	X	25LD04646
Disintegration test	X	25LD04647
Ecotoxicity test	X	25LD04648

Material Characteristics

The volatile solids concentration, heavy metals and fluorine content of **Napkin white 16,3 (Batch n° 7501564536 del 04.04.25)** are reported in report 25LA37227. The test material fulfills all requirements on volatile solids, heavy metals and fluorine as stipulated by EN 13432:2000.

Biodegradation test

The quantitative biodegradation of **Napkin white 16,3 (Batch n° 7501564536 del 04.04.25)** in mature compost was evaluated in a test according to ISO 14855-1:2013 (see report 25LD04646). After 3 months, the test material showed a biodegradation value equal to 91,7% absolute, and 96,2% relative to the reference substance. Test material fulfills the 90 % pass level as required by EN 13432:2000.

Disintegration test

The quantitative disintegration of **Napkin white 16,3 (Batch n° 7501564536 del 04.04.25)** was evaluated in a pilot-scale aerobic composting test according to ISO 16929:2021. After 12 weeks of composting 100% complete disintegration was obtained for test material. The sample easily fulfills the 90 % pass level as required by EN 13432:2000.

Compost quality – Ecotoxicity tests

The addition of **Napkin white 16,3 (Batch n° 7501564536 del 04.04.25)** at the start of the composting did not cause a negative effect on compost quality (including chemical parameters and ecotoxicity tests). The sample fulfills the requirements on compost quality as stipulated by EN 13432:2000.

Technical Manager

