

## EXECUTIVE SUMMARY

Industrial compostability testing program on  
**NAPKIN TORK XPRESSNAP (WHITE)**  
(Thickness 256 µm - Grammage 35.4 g/m<sup>2</sup>)

According to  
**EN 13432:2000**

**Customer and address:**  
**ESSITY OPERATIONS CUIJK B.V.,**  
**LANGE LINDEN, 22**  
**5433 NC KATWIJK-NB,**  
**NETHERLANDS**

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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 analyses are carried out on the Lucca site.

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Digitally Signed Document  
TEST REPORT n° 20LD03831

REGISTERED OFFICE  
Viale San Michele Del Carso, 4 - 20144 Milan, Italy  
VAT 01484940463  
Fully paid-up share capital € 1.000.000,00

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	19LA49890
Biodegradation test	X	20LA02454
Disintegration test	X	20LA06586
Ecotoxicity test	X	20LD03034

### Chemical Characterization

The volatile solids concentration, heavy metals and fluorine content of sample **Napkin tork xpressnap (white)** are reported in the test report 19LA09473. The test material fulfils all requirements on volatile solids, heavy metals and fluorine in accordance with standard EN 13432:2000.

### Biodegradation test

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

### Disintegration test

The quantitative disintegration of sample **Napkin tork xpressnap (white)** 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 fulfils the 90 % pass level as required by EN 13432:2000.

### Compost quality – Ecotoxicity tests

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

Technical Manager  
**Nicola Guazzelli**



*Nicola Guazzelli*

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