

Data: 12/06/2023

EXECUTIVE SUMMARY

Industrial compostability testing program on **Tork Xpressnap® White Dispenser Napkin Printed 12842-00**

According to
EN 13432:2000

Customer and address:
ESSITY AUSTRIA
GMBH HAUPTSTRASSE
1 A-2763 PERNITZ/ORTMA
AUSTRIA

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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HEADQUARTERS
Via dei Bichi, 293 - 55100 Lucca, Italy
Tel. +39 0583 40011 - Fax +39 0583 400300
info@ecolstudio.com - info@ecolpec.com

REGISTERED OFFICE
Via Lanzone, 31 - 20123 Milan, Italy
C.F./P.IVA/ Reg. Impr. Milano 01484940463
Cap. Soc. 1.000.000,00 i.v.

An industrial compostability testing program was executed on **Tork Xpressnap® White Dispenser Napkin Printed 12842-00** 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	22LA18740
Biodegradation test	X	22LD05046
Disintegration test	X	22LD05047
Ecotoxicity test	X	22LD05048

Material Characteristics

The volatile solids concentration, heavy metals and fluorine content of **Tork Xpressnap® White Dispenser Napkin Printed 12842-00** are reported in report 22LA18740. The test material fulfils all requirements on volatile solids, heavy metals and fluorine as stipulated by EN 13432:2000.

Biodegradation test

The quantitative biodegradation of **Tork Xpressnap® White Dispenser Napkin Printed 12842-00** in mature compost was evaluated in a test according to ISO 14855-1:2013 (see report 22LD05046). After ninety days, the test material has showed a biodegradation absolute or relative fulfil the 90 % pass level as required by EN 13432:2000.

Disintegration test

The quantitative disintegration of **Tork Xpressnap® White Dispenser Napkin Printed 12842-00** 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. Material **Tork Xpressnap® White Dispenser Napkin Printed 12842-00** easily fulfill the 90 % pass level as required by EN 13432:2000.

Compost quality – Ecotoxicity tests

The addition of **Tork Xpressnap® White Dispenser Napkin Printed 12842-00** start of the composting did not cause a negative effect on compost quality (including chemical parameters and ecotoxicity tests). **Tork Xpressnap® White Dispenser Napkin Printed 12842-00** fulfill the requirements on compost quality as stipulated by EN 13432:2000.

Technical Manager

Rapporto di Prova Firmato Digitalmente
Digitally Signed Test Report

Dott.ssa Tiziana Messina

Ordine Reg. Chimici e Fisici della Toscana – N° 2335 Sez. A Chimico

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