

Data: 20/09/2021

EXECUTIVE SUMMARY

Industrial compostability testing program on
CARTA COLORE CINNNABAR
(Thickness μm 92,9 - Grammage 16,1 g/m²)

According to
EN 13432:2000

Customer and address:
ESSITY ITALY
STABILIMENTO DI ALTOPASCIO,
VIA XXV APRILE NR.2,
55011 BADIA POZZEVERI
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 analyses are carried out on the Lucca site.

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Digitally Signed Document
TEST REPORT n° 21LD05577

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

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An industrial compostability testing program was executed on **CARTA COLORE CINNABAR** 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	Carta colore Cinnabar	Test Report
Chemical Characteristics	X	20LA15143
Biodegradation test	X	20LD02888
Disintegration test	X	21LD00804
Ecotoxicity test	X	21LD00805

Chemical Characterization

The volatile solids concentration, heavy metals and fluorine content of sample are reported in the test report 20LA15143. 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 in mature compost was evaluated in accordance with ISO 14855-1:2013 (see test report 20LD02888). After 150 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 was evaluated in a pilot-scale aerobic composting test according to ISO 16929:2021. After 12 weeks of composting, a 100 % complete disintegration was obtained for sample. The test material easily fulfils the 90 % pass level as required by EN 13432:2000.

Compost quality – Ecotoxicity tests

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

Technical Manager

Rapporto di Prova Firmato Digitalmente
Digitally Signed Test Report

Dott. Claudia Caneto

Ordine dei Chimici della Toscana - N° 1432 Sez. A Chimico

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