

Report

Sample: Cardboard box DALIA

Company: LC Paper 1881, S.A.

Place and date: Laboratory of LEPAMAP-PRODIS research group, Escola Politècnica Superior de la Universitat de Girona. Girona, July 6th, 2021.

Sample conditioning: No conditioning.

Sampling: Outer side (1), inner side (2) and corrugate (3).

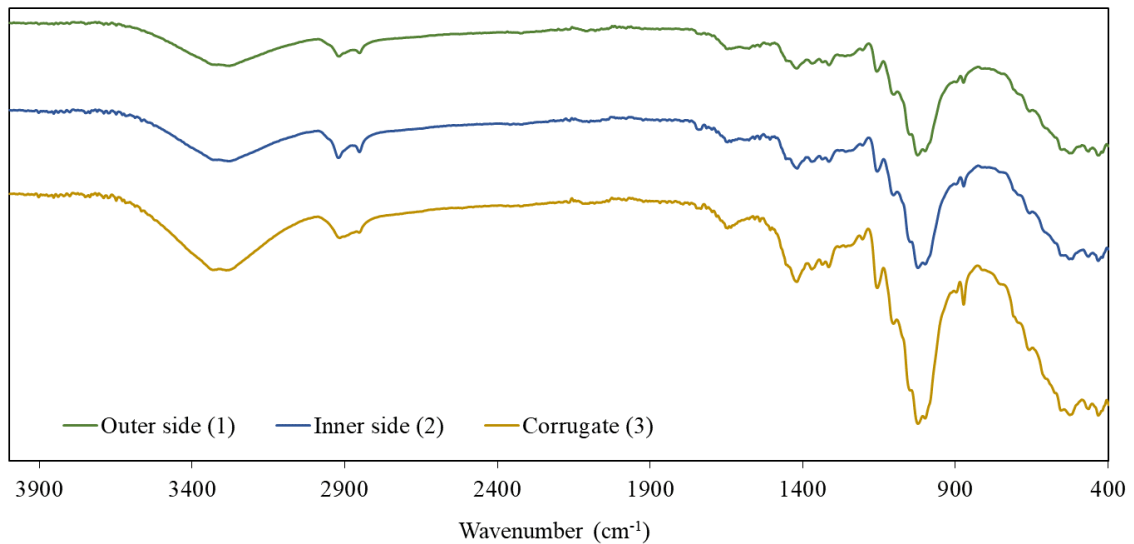


The FTIR spectra reveal the typical profile of cellulose and/or hemicellulose, while no typical bonds of polyolefin or other materials that might be considered plastics are detected. Spectra are provided in Annex I.

In witness thereof, I sign this report in Girona on July 7th, 2021.

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Director of LEPAMAP-PRODIS research group
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Annex I: FTIR spectra



3500 – 3200 cm^{-1} : hydroxyl groups

2900 cm^{-1} : C-H stretching

1650 cm^{-1} : low intensity band attributed to the presence of hemicellulose

1308, 1280 i 1255 cm^{-1} : bending of C-H i C-OH bonds

1200 – 800 cm^{-1} : C-O vibration

1028 cm^{-1} : typical peak of the α -pyran ring from cellulose