



CERTIFICATE OF COMPLIANCE

Biotransformation fulfilment awarded to

ABY Plastik Ambalaj ve Enerji Sanayi Ticaret A.Ş

This is to acknowledge that the product: white LDPE film with PLMv4.1 at 2wt% has been tested in the independent laboratory Impact Solutions according to BS PAS 9017:2020 and the material fully meet the requirements of BSI PAS 9017 according to the following criteria. The material has biotransformed successfully to a wax based on ISO 4892-3 / ASTM D4329 and complies with all the requirements of the chemical analysis according to section 4.5 from BSI PAS 9017; The biotransformed wax has undergone an ecotoxicity evaluation and thus be considered safe for the environment according to the OECD guidelines from the tests 211, 222 and 208; The biotransformed wax is biodegradable in mesophilic conditions using soil in accordance with the guidelines of ASTM D5988 / BS EN ISO 17556 and achieved biodegradation above 90% within a minimum of 6 months and a maximum of 24 months.

- Material C - White LDPE film with PLMv4.1
- The polyolefin material has biotransformed successfully to a wax based on **ISO 4892-3 / ASTM D4329** and complies with all the requirements of the chemical analysis according to section 4.5 from **BSI PAS 9017**
- The biotransformed wax has undergone an ecotoxicity evaluation and it is declared to be safe for the environment according to the OECD guidelines from the tests 211, 222 and 208.
- The biotransformed wax is biodegradable in mesophilic conditions using soil in accordance with the guidelines of ASTM D5988 / BS EN ISO 17556 and achieved biodegradation above 90% in **730 days (2 years)**

NAME/ TITLE OF THE PRESENTER

A handwritten signature in black ink, appearing to read "Paul B.", written over a white background.

LOCATION

London

DATE

12 March 2024