



RAPPORTO DI PROVA / TEST REPORT

NUMBER

0955\FPM\MATs\23

ISSUE DATE

03/10/2023

BUSINESS AREA

BA Food Packaging Materials

LABORATORY

Materials

SPECIMEN DESCRIPTION

Pellets Life-Blend

CUSTOMER

STYLA S.r.l.
VIA ENRICO FERMI, 52/O
24035 CURNO (BG)

REFERENCE STANDARD

ASTM D 543-21; UNI EN ISO 179-1:2023

GENERALITIES

- Sample receiving date: 28/06/2023
- Analysis start date: 28/06/2023
- Analysis end date: 07/08/2023
- Laboratory site: Viale Lombardia, 20/B – 20021 Bollate (MI)
- Test site: Viale Lombardia, 20/B – 20021 Bollate (MI)
- Deviation from test methods: NO

SAMPLE DESCRIPTION

Granulo Life-Blend

The specimens necessary for the tests were prepared from the pellets.

SAMPLING AND PICKING

The sampling for the test has been done drawing casually part of the sample in our possession. *Sampling was carried out according to the following procedures.*

Subject that performed the sampling

Sampling report

Notified Body

TAB

CSI-CERT

Customer

Other

Reference number

Date of issue

Reference number

Date of issue

Reference number

Date of issue

Reference number

Date of issue

Reference number

Date of issue

DECLARATION

The test results of the present report are related exclusively to the tested sample, as received. The data relating to the sample are provided by the customer and not verified by the laboratory, unless expressly indicated. The laboratory declines all responsibility. The present test report cannot be partially reproduced without the authorization of laboratory managing Director. The uncertainties are estimated as extended uncertainty obtained multiplying the standard uncertainty by the coverage factor k corresponding to a confidence level of about 95%. Normally, this factor = 2. In all cases of declarations of conformity, the compliance will be evaluated by adding the extended uncertainty to the obtained value (except different occurrences that, in case, will be properly described).

PERFORMED DETERMINATIONS

1) RESILIENZA CHARPY

ISO 179

The determination is carried out according to UNI EN ISO 179-1:2023, using the Tinius Olsen pendulum mod. 503, on 10 specimens 80 x 10 mm, thickness approx. 4 mm, edge impact (UNI EN ISO 179-1:2023/1eA), type A notch.
Impact speed: 2.91 m/s.
Nominal energy of the pendulum: 5J.

2) RESISTANCE TO CHEMICAL AGENTS


ASTM D 543

Verification of resistance to chemical agents according to ASTM D 543-21 standard. Immersion or superficial contact with the chosen chemical agent with the aid of a wad impregnated with 2 pieces per type, at 40°C for 24 hours + 24 hours, with examination of their appearance every day, drying and careful examination of the state of the surfaces:
final visual appearance of the state of the surfaces, after removal of the agent following washing with cold water and remaining in a vacuum oven at 40°C for at least 24-48 hours;
the agents we offer are the following:

- denatured ethyl alcohol
- commercial ammonia
- commercial sodium hypochlorite
- commercial muriatic acid
- detergent (like lysoform)

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RESISTANCE TO CHEMICAL AGENTS

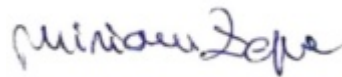
| Life-Blend | |
|---|---|
| Chemical agent | Result |
| Denatured ethyl alcohol | There are no visible alterations |
| Commercial Ammonia | <p>The surface is bleached and altered (the treated material at the top, the virgin material at the bottom)</p>  |
| Commercial sodium hypochlorite | There are no visible alterations |
| Commercial muriatic acid | There are no visible alterations |
| Detergent (like lysoform) | There are no visible alterations |
| Charpy Method: UNI EN ISO 179-1:2023/1eA | 10.3 ± 0.6 kJ/m ² (C) |

DATA
Date

03/10/2023

Operating Sector Materials

Miriam Zappa



BA Food Packaging Materials

Alberto Taffurelli



The document is digitally signed in accordance with Legislative Decree n. 82/2005 as amended and replaces the paper document and the handwritten signature and it's valid from the date of affixing the digital signature.