

Test Report No.: 0-1-92-BAW-24 Page 1 of 5

Client: DIN CERTCO Order no.: 3395990

Customer information: Exser Canada Ltd.

Test sample(s): General Use Bag

Procedure number: 3395990

Sample receiving date: 2024-05-30

Condition of the test item at delivery: Undamaged

Testing period: 2024-05-31 to 2024-06-03



**Test basis:**

NF T51-800:2015 and Certification Scheme "Products made of compostable materials for home and garden composting" DIN Geprüft (2023-01)

**Test specification:**

- 1. Plastic identification by Fourier Transform Infrared spectroscopy Page 3
- 2. Thickness check Page 4

Berlin, 2024-06-03

Compiled by

Charlotte Mämpel, M. Sc.  
- Test Engineer -



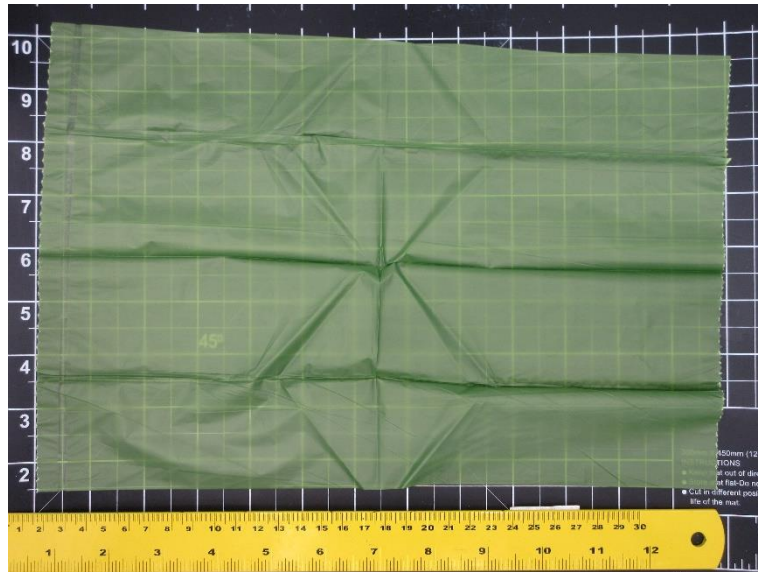
Reviewed by

Markus Kühn  
- Laboratory Technician -

This test report relates to the mentioned test samples. Without the permission of the BAW Testing Laboratory TÜV Rheinland this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any certification mark.

Test Report No.: 0-1-92-BAW-24

Page 2 of 5

**Picture and detailed description of the test sample(s)**


M001

**Material list**

Material no.	Material	Colour	Remark
M001	General use bag	green	sample for FTIR, thickness

Test Report No.:

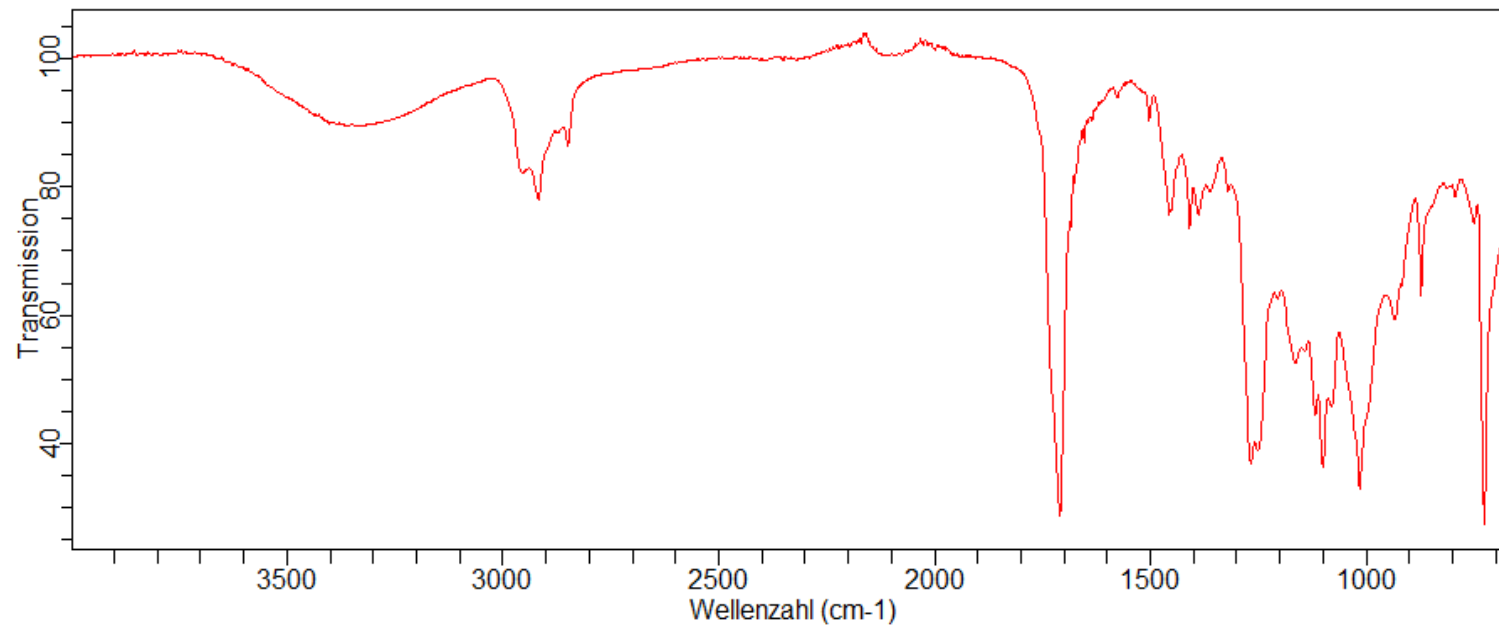
0-1-92-BAW-24

Page 3 of 5

## 1. Material identification by Fourier Transform Infrared spectroscopy

### Test method

Determination by Fourier Transform Infrared spectroscopy



Picture of FTIR spectrometry for M001

Applied Measuring Instruments: 1 (GTEM: 9022832 / with ATR: 9022834)

Test Report No.: 0-1-92-BAW-24

Page 4 of 5

## 2. Thickness check

### Test method

Refer to ISO 4593 thickness test, section 2.1

### Test result

<b>Material no.</b>	M001	M001
<b>Position</b>	single layer thickness	weld seam
<b>Unit</b>	µm	µm
<b>Mean</b>	<b>22</b>	<b>33</b>
<b>Maximum</b>	25	40
<b>Minimum</b>	20	28
<b>Standard deviation</b>	2	3
<b>Samples</b>	n = 10	n = 10

### Abbreviation

µm = micrometer

n = amount

**Applied measuring instruments:** 4 (GTEM: 9022835)

Test Report No.:

0-1-92-BAW-24

Page 5 of 5

**Applied measuring instruments**

<b>Internal instrument no.</b>	<b>Measurement</b>	<b>Measuring instrument</b>	<b>Measurement uncertainty</b>
1 GTEM: 9022832 with ATR: 9022834	FTIR-spectrometer	Cary 630 FTIR, Agilent	$\pm 0.05 \text{ cm}^{-1}$
4 GTEM: 9022835	Outside micrometer	Serie 293, Mitutoyo	$\pm 3 \text{ }\mu\text{m}$

**-End-**