



Applicant:

Mondi Wellpappe Ansbach GmbH  
Corrugated Packaging

Robert-Bosch-Straße 3  
D 91522 Ansbach

Vienna, 2024-09-04

Subject: **1<sup>st</sup> Supplement to our Licence No. 8109**

For our Licence No. 8109 folding boxes made of triple wall corrugated fibreboard (sort “Tristar 76000S”, composition according to the applicant 440 HKL/160 W/280 KLB/160 W/280 KB/160 W/400 KLB, flutes ACA) produced by

Mondi Wellpappe Ansbach GmbH  
Corrugated Packaging

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were tested according to chapter 6.1, requirements for the construction and testing of packagings and after finishing the tests with positive results, UN-Marks were established and the packagings were approved as a type of packaging **4GV** and **4G** respectively (“Fibreboard Boxes”) for packaging group I.

Because of the intention to use such packages with modified closure and for higher gross mass for packaging groups II and III, it had to be examined whether the requirements for the construction and testing of packagings of chapter 6.1, laid down in Annex A of the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) were still valid.

Description of the Packagings

Packaging design “8260”

Box closure: double-L-closure with a fibre reinforced self-adhesive plastics tape (width: 75 mm); additionally top sided one centric strip of a fibre reinforced self-adhesive plastics tape (width: 75 mm) parallel to its broad side edges; packaging strapped 6 times (2x parallel to its long side edges and 4x parallel to its broad side edges) with bands made of plastics (PET, width: 12.5 mm, thickness: 0.58 mm, break load: approx. 3500 N, elongation at break: 8-14 %, or equivalent) around the box and the wooden pallet;

Maximum gross mass of the filled and sealed package: 440 kg;

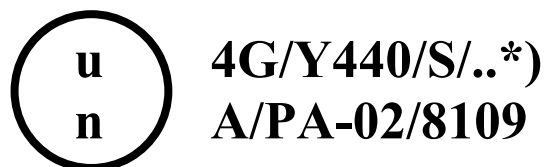
Original filling material: solids/articles, maybe inner packagings;

For the tests barley with inserted plastic hollow balls (to decrease the gross mass) were used;

All other details as written down in our Licence No. 8109 and our Test Report No. 8109/10/17 stay the same.

The positive results of our Test Report No. 9461/6/24 of September 4<sup>th</sup>, 2024 showed that the premises for the approval were still valid; the requirements listed in our Licence No. 8109 and our Test Report No. 8109/10/17 are met.

Because of retesting for a higher gross mass for packaging groups II and III, it was necessary to establish a modified UN-mark. The packagings as mentioned above have to be marked as follows:



\*) the last two digits of the year of production of the packaging

All letters, numerals and symbols shall be at least 12 mm in height and the mark or a duplicate thereof shall appear on the top or on a side of the packaging.

All other details and requirements as written down in our Licence No. 8109 and our Test Report No. 8109/10/17 stay the same.

We ask you to add this letter and our Test Report No. 9461/6/24 to our Licence No. 8109 and our Test Report No. 8109/10/17.

**ÖSTERREICHISCHES INSTITUT FÜR VERPACKUNGSWESEN**

Dipl.-Ing. (FH) M. Auer, MSc

Head of Institute



# TEST REPORT

**No. 9461/6/24**

**Mondi Wellpappe Ansbach GmbH**  
**Corrugated Packaging**

**Robert-Bosch-Straße 3**  
**D 91522 Ansbach**

The results of the investigations carried out only concern the submitted sample.

The accreditation of the Testing House and this Test Report do not constitute an authorization of the test samples by the accreditation body.

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If the client refers to this Test Report, he has to add "Österreichisches Institut für Verpackungswesen (ÖIV)" and the following article:

THE TESTING LABORATORY WAS ACCREDITED ACCORDING TO ISO/IEC 17025 AS TESTING LABORATORY WITH THE ID-NUMBER 0013 FOR THE FIRST TIME AT 1<sup>ST</sup> DECEMBER 1995 WITH ZL. 92714/501-IX/2/95 BY AKKREDITIERUNG AUSTRIA / FEDERAL MINISTRY OF LABOUR AND ECONOMY FOR THE SCOPES NAMED IN THE NOTIFICATION AND PUBLISHED UNDER AKKREDITIERUNG-AUSTRIA.GV.AT.

## 1 Submitted Samples

### 1.1 Applicant

Mondi Wellpappe Ansbach GmbH

Corrugated Packaging

Robert-Bosch-Straße 3

D 91522 Ansbach

### 1.2 Packaging Manufacturer

Identical to applicant

### 1.3 Description of the Packaging Design

Packaging design “8260”

Folding boxes made of triple wall corrugated fibreboard (sort “Tristar 76000S”, composition according to the applicant 440 KA/160 WB/275 KB/160 WB/275 KB/160 WB/400 KB, flutes ACA) with outer bottom and top flaps meeting (FEFCO 0201) on a wooden pallet;

Manufactured with a glued and stitched joint;

Box closure: double-L-closure with a fibre reinforced self-adhesive plastics tape (width:

75 mm); additionally top sided one centric strip of a fibre reinforced self-adhesive plastics tape (width: 75 mm) parallel to its broad side edges; packaging strapped 6 times (2x parallel to its long side edges and 4x parallel to its broad side edges) with bands made of plastics (PET, width: 12.5 mm, thickness: 0.58 mm, break load: approx. 3500 N, elongation at break: 8-14 %) around the box and the wooden pallet;

Nominal inside dimensions: 1170 x 770 x 800 mm (L x B x H);

Outside dimensions: 1200 x 800 x 1005 mm (L x B x H, incl. pallet);

Maximum gross mass of the filled and sealed package: 440 kg;

Original filling material: solids/articles, maybe inner packagings;

For the tests synthetic granules with inserted plastic hollow balls (to decrease the gross mass) were used;

The use of other packaging methods or components may render this Test Report invalid.

## **2 Requested Investigations**

For our Licence No. 8109 folding boxes made of triple wall corrugated fibreboard (sort “Tristar 76000S”, composition according to the applicant 440 HKL/160 W/280 KLB/160 WB/280 KB/160 W/400 KLB, flutes ACA) were tested according to chapter 6.1, requirements for the construction and testing of packagings and after finishing the tests with positive results, UN-Marks were established and the packagings were approved as a type of packaging **4GV** and **4G** respectively (“Fibreboard Boxes”) for packaging group I.

Because of the intention to use such packages with modified closure and for higher gross mass for packaging groups II and III, it had to be examined whether the requirements for the construction and testing of packagings of chapter 6.1, laid down in Annex A of the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) were still valid.

## **3 Investigations Carried out - Results of Investigations**

Receipt of test samples: 2024-07-05

Test samples were provided by the applicant;

The air-conditioning of the test samples was made under the standard climate condition 23 °C/ 50 % relative humidity till the achievement of constant weight. The tests were carried out under the same climatic conditions.

### 3.1 Packaging Tests

The tests were carried out in accordance with the instructions of the ADR (as described in section 6.1.5, Test requirements for packagings).

#### 3.1.1 Drop Tests

The tests were done at Mondi Wellpappe Ansbach GmbH, Abteilung QS, Robert-Bosch-Str. 3, D 91522 Ansbach, recognized test house by BAM, Bundesanstalt für Materialforschung und -prüfung, in the presence of the Investigator.

The drop of the packages was done by means of an electro-pneumatic hook, where belts were used for hanging up/positioning the samples. The impact target was a steel plate.

The drop height was (according to the required packaging groups) **1.2 m**.

None of the tested samples was leaking or showed any appreciable damage after the tests.

Date of tests: 2024-06-10

#### 3.1.2 Stacking Tests

The tests were carried out with an electronically material testing machine supplied by Comp. Zwick, type BX1-FR050TH.A1K-002.

The empty outer packagings were subjected to a force applied to the top surface of the test samples equivalent to the total weight of identical filled packages, which might be stacked on it, up to a height of 3 metres (including test sample). The tests were done in load direction side 1 - side 3 (identification of sides according ÖNORM ISO 2206 “Packaging; complete, filled transport packages; identification of parts when testing”, edition 1987; ident EN 22206:1992).

Duration of the test: 24 hours.

According to the above mentioned conditions a constant pressure load of **8570 Newton** was applied to the samples.

None of the samples tested showed any considerable damage. During and after the tests no deformation or other signs of early breakdown that could affect the strength of the cases or could cause an instability of the stack were detected.

Date of test: 2024-07-08 to 2024-07-11

#### **4 Conformity**

The tested packagings are in compliance with chapter 6.1, requirements for the construction and testing of packagings of Annex A of the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).

### **ÖSTERREICHISCHES INSTITUT FÜR VERPACKUNGSWESEN**

Dipl.-Ing. (FH) M. Auer, MSc  
Head of Institute

Vienna, 2024-09-04

This Test Report No. 9461/6/24 consists of 5 pages.



**ÖSTERREICHISCHES INSTITUT FÜR VERPACKUNGSWESEN**

**Akkreditierte Prüfstelle und Versuchsanstalt**

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