

CERTIFICATE

Recyclability of Packaging

Ludwig Schokolade GmbH & Co. KG
Postfach 2015
66720 Saarlouis | Germany

The company receives the certification of recyclability for the following packaging.

Designation

Schogetten 100g in various design variants

consisting of:

1. Folding box
2. Aluminium foil (gold and silver)
3. Cardboard insert

Test result

The aggregated recyclability according to CHI standard amounts to:

95 %

The aggregated recyclability in individual countries amounts to:

95 %
(CH, DE, FR, LU, NL, UK)

86 %
EU (except CH, DE, FR, LU, NL, UK)
and NO

Test standard:

- Requirements and assessment catalogue of the cyclos-HTP Institute for EU-wide certification

Within the certification process, conformity with the following standards was also checked:

- Minimum standard for measuring the recycling capacity of the ZSVR (state 31/08/2022); also integrated
- DIN EN 13430 with regard to material recyclability in the post-use phase; also integrated

This certificate (No. 2429-2021-002130-W2-Z1) is valid until the **31/08/2024** (1 year upon issue) for the countries listed in brackets above; for the countries shown in *italics*, the existence of a recycling infrastructure cannot be assumed as predominant or the determined value of recyclability is below 50 %.

This certificate will lose validity in case of qualitative or quantitative changes of packaging components or decoration.

Aachen, dated 15/09/2023



Dipl.-Ing. Maraike Schmidt

Publicly appointed and sworn expert for packaging disposal

Competent authority:
Chamber of Industry and Commerce, Aachen

The detailed results are documented in the corresponding test reports (No. 2429-2021-0021230-1-W2, No. 2429-2021-002130-2-W2 and No. 2429-2021-002130-3-W2) and annex.

CHI | cyclos-HTP Institute

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ANNEX

to Certificate No. 2429-2021-002130-W2-Z1

List of related articles

- 100g Schogetten Salz-Karamell Crisp
- 100g Schogetten Weiße Schokolade
- 100g Schogetten Edel-Zartbitter
- 100g Schogetten Caramel Brownie
- 100g Schogetten Black & White
- 100g Schogetten Edel-Zartbitter Haselnuss
- 100g Schogetten Perfect Match (Zartbitter & Amaranth)
- 100g Schogetten Perfect Match (Zimt & Crème)
- 100g Schogetten Edel-Alpenvollmilch
- 100g Schogetten Stracciatella
- 100g Schogetten Trilogie Erdbeer
- 100g Schogetten Edel-Alpenvollmilch Haselnuss
- 100g Schogetten Joghurt Erdbeer
- 100g Schogetten Nugat
- 100g Schogetten Latte Macchiato
- 100g Schogetten Perfect Match (Popcorn & Carmel)
- 100g Schogetten Kokos Mandel
- 100g Schogetten für Kinder
- 100g Schogetten Bowls Mohn, Vanille
- 100g Schogetten Bowls Granatapfel, Blaubeere, Hanf
- 100h Schogetten Lotus Biscoff

Scope of validity

For the countries indicated in bold, a recycling path exists and the collection and recycling structure is at least 50 % implemented. For the countries shown in italics, the collection structure is under development and the recycling structure is supplied on an industrial scale.

The scope of validity of the individual packaging components shown below considers sorting specifications und format criteria in addition to the existence of a recycling path with established collection and recycling structures.

Component	Test Report No.	Path	Scope
1. Folding box	2429-2021-002130-1-W2	Path 11: Paper composites Path 13: Paper, cardboard	FR EU (except FR), CH, NO, UK
2. Aluminium foil	2429-2021-002130-2-W2	Path 10: Aluminium / NF-metals	CH, DE, <i>FR</i>, LU, NL, UK
3. Cardboard insert	2429-2021-002130-3-W2	Path 11: Paper composites Path 13: Paper, cardboard	FR EU (except FR), CH, NO, UK

Aggregated recyclability

Aggregated recyclability when evaluating the final packaging in the individual countries:

Schogetten | 100g

Aggregated recyclability according to CHI standard
(evaluation of fibre-based components via path 11 and path 13)

Packaging Component	Share	Path	Recyclability	Recyclability in relation to total packaging	Recyclate / Fibre Yield
1. Folding box	63,8%	Path 11: Paper composites Path 13: Paper, board and cardboard	95,5%	61,0%	98%
2. Aluminium foil silver	10,7%	Path 10: Aluminium / NF-metals	80,1%	8,6%	80%
3. Cardboard insert	25,4%	Path 11: Paper composites Path 13: Paper, board and cardboard	100,0%	25,4%	100%
Sum	100,0%			95,0%	

Aggregated recyclability for the countries Germany, Luxembourg, Netherlands, Switzerland, UK

Packaging Component	Share	Path	Recyclability	Recyclability in relation to total packaging	Recyclate / Fibre Yield
1. Folding box	63,8%	Path 13: Paper, board and cardboard	95,5%	61,0%	98%
2. Aluminium foil silver	10,7%	Path 10: Aluminium / NF-metals	80,1%	8,6%	80%
3. Cardboard insert	25,4%	Path 13: Paper, board and cardboard	100,0%	25,4%	100%
Sum	100,0%			95,0%	

Aggregated recyclability for the country France

Packaging Component	Share	Path	Recyclability	Recyclability in relation to total packaging	Recyclate / Fibre Yield
1. Folding box	63,8%	Path 11: Paper composites	95,5%	61,0%	98%
2. Aluminium foil silver	10,7%	Path 10: Aluminium / NF-metals	80,1%	8,6%	80%
3. Cardboard insert	25,4%	Path 11: Paper composites	100,0%	25,4%	100%
Sum	100,0%			95,0%	

Aggregated recyclability for the remaining countries of EU and Norway

Packaging Component	Share	Path	Recyclability	Recyclability in relation to total packaging	Recyclate / Fibre Yield
1. Folding box	63,8%	Path 13: Paper, board and cardboard	95,5%	61,0%	98%
2. Aluminium foil silver	10,7%	no recycling path existing	-	-	-
3. Cardboard insert	25,4%	Path 13: Paper, board and cardboard	100,0%	25,4%	100%
Sum	100,0%			86,4%	

Schogetten | 100g

Aggregated recyclability according to CHI standard (evaluation of fibre-based components via path 11 and path 13)

Packaging Component	Share	Path	Recyclability	Recyclability in relation to total packaging	Recyclate / Fibre Yield
1. Folding box	63,6%	Path 11: Paper composites Path 13: Paper, board and cardboard	95,5%	60,7%	98%
2. Aluminium foil gold	11,1%	Path 10: Aluminium / NF-metals	77,6%	8,6%	78%
3. Cardboard insert	25,3%	Path 11: Paper composites Path 13: Paper, board and cardboard	100,0%	25,3%	100%
Sum	100,0%			94,7%	

Aggregated recyclability for the countries Germany, Luxembourg, Netherlands, Switzerland, UK

Packaging Component	Share	Path	Recyclability	Recyclability in relation to total packaging	Recyclate / Fibre Yield
1. Folding box	63,6%	Path 13: Paper, board and cardboard	95,5%	60,7%	98%
2. Aluminium foil gold	11,1%	Path 10: Aluminium / NF-metals	77,6%	8,6%	78%
3. Cardboard insert	25,3%	Path 13: Paper, board and cardboard	100,0%	25,3%	100%
Sum	100,0%			94,7%	

Aggregated recyclability for the country France

Packaging Component	Share	Path	Recyclability	Recyclability in relation to total packaging	Recyclate / Fibre Yield
1. Folding box	63,6%	Path 11: Paper composites	95,5%	60,7%	98%
2. Aluminium foil gold	11,1%	Path 10: Aluminium / NF-metals	77,6%	8,6%	78%
3. Cardboard insert	25,3%	Path 11: Paper composites	100,0%	25,3%	100%
Sum	100,0%			94,7%	

Aggregated recyclability for the remaining countries of EU and Norway

Packaging Component	Share	Path	Recyclability	Recyclability in relation to total packaging	Recyclate / Fibre Yield
1. Folding box	63,6%	Path 13: Paper, board and cardboard	95,5%	60,7%	98%
2. Aluminium foil gold	11,1%	no recycling path existing	-	-	-
3. Cardboard insert	25,3%	Path 13: Paper, board and cardboard	100,0%	25,3%	100%
Sum	100,0%			86,1%	

Document history

2429-2021-002130 Certificate Ludwig Schogetten 30g and 100g in different design variants (date: 07/05/2021)

- Original certificate document with test reports Nos. 2429-2021-002130-1, 2429-2021-002130-2 and 2429-2021-002130-3
- Validity until 31/05/2022

2429-2021-0021230-W1 Certificate Ludwig Schogetten 30g and 100g in different design variants (date: 09/08/2022)

- Re-certification on basis of unchanged test reports Nos. 2429-2021-002130-1, 2429-2021-002130-2 and 2429-2021-002130-3
- Validity until 31/08/2023
- Scope reduced by BE in path 10 for flexible small sized aluminium foil.
- Scope extended to CH, HU, IE, LU, and SI in path 10 for flexible small sized aluminium foil.
- For AT the existence of a recycling infrastructure cannot be assumed as predominant in path 10

2429-2021-002130-W2 Certificate Ludwig Schogetten 30g and 100g in different design variants (date: 30/08/2023)

- Re-certification with revised test reports Nos. 2429-2021-002130-1-W2, 2429-2021-002130-2-W2 and 2429-2021-002130-3-W2
- Validity until 31/08/2024
- Adjustment of standard values in the material composition data with no impact on overall result
- Evaluation of recyclability of fibre-based packaging components via path 11 for France

2429-2021-002130-W2-Z1 Certificate Ludwig Schogetten 100g in different design variants (date: 15/09/2023)

- Certificate modification on basis of unchanged test reports Nos. 2429-2021-002130-1-W2, 2429-2021-002130-2-W2 and 2429-2021-002130-3-W2
 - Validity until 31/08/2024
 - Certificate No. 2429-2021-002130-W2-Z1 is issued only for 100g Schogetten
 - The scope is reduced in path 10 by AT, ES, HU, IE, IT, PL, PT and SI, as in these countries there is no current evidence that small-sized aluminium foils are collected and recycled.
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