

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 33g | 100g in various design variants

Consisting of:

1. Folding box
2. Aluminium foil
3. Cardboard insert

Test result

The aggregated recyclability according to CHI standard amounts to:

95 %

The aggregated recyclability in individual countries amounts to:

95 %

(AT, CH, DE, ES, FR, HU, IE, IT, LU, NL, PL, PT, SI, UK)

86 - 91 %

(EU, CH, NO, UK)

Test standard / scope of application:

- Requirements and assessment catalogue of the institute cyclos-HTP for EU-wide certification (state 14/09/2021) / Scope of validity according to nation states, see chapter 1

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
 - Under consideration of COTREP – Recyclability of Plastic Packaging; on request
 - Under consideration of APR Design® Guide for Plastics Recyclability; on request

This certificate (No. 2429-2021-002130-W1) is valid until the **31/08/2023** (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 09/08/2022



Dr. Joachim Christiani

Publicly appointed and sworn expert for the IHK for packaging waste disposal

Competent authority: IHK Aachen

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

CHI | cyclos-HTP Institute

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ANNEX

to Certificate No. 2429-2021-002130-W1

Collection and recycling structures

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.

Component	Test Report No.	Path	Scope
1. Folding box	2429-2021-002130-1	Path 13: Paper, cardboard	EU, NO, CH, UK
2. Aluminium foil	2429-2021-002130-2	Path 10: Aluminium / NF-metals	<i>AT, CH, DE, ES, FR, HU, IE, IT, LU, NL, PL, PT, SI, UK</i>
3. Cardboard insert	2429-2021-002130-3	Path 13: Paper, cardboard	EU, NO, CH, UK

Aggregated recyclability

Aggregated recyclability of the total packaging "Schogetten 33g" (silver aluminium foil)						
Test report No.	Packaging component	Share	Recyclability	Recyclability in relation to total packaging	Path	Recyclate/ Fibre yield
2429-2021-002130-1	Folding box	77,4%	96%	74,1%	Path 13: Paper, board and cardboard	98%
2429-2021-002130-2	Aluminium foil	6,2%	80%	4,9%	Path 10: Aluminium / NF-metals	80%
2429-2021-002130-3	Cardboard insert	16,4%	100%	16,4%	Path 13: Paper, board and cardboard	100%
Sum / Aggregated Recyclability		100%		90,5%	aggregated recyclability for EU, CH, NO, UK	
				95,4%	aggregated recyclability for AT, CH, DE, ES, FR, HU, IE, IT, LU, NL, PL, PT, SI, UK (CHI Standard)	

Aggregated recyclability of the total packaging "Schogetten 100g" (golden aluminium foil)						
Test report No.	Packaging component	Share	Recyclability	Recyclability in relation to total packaging	Path	Recyclate/ Fibre yield
2429-2021-002130-1	Folding box	63,6%	96%	60,7%	Path 13: Paper, board and cardboard	98%
2429-2021-002130-2	Aluminium foil	11,1%	78%	8,6%	Path 10: Aluminium / NF-metals	78%
2429-2021-002130-3	Cardboard insert	25,3%	100%	25,3%	Path 13: Paper, board and cardboard	100%
Sum / Aggregated Recyclability		100%		86,1%	aggregated recyclability for EU, CH, NO, UK	
				94,7%	aggregated recyclability for AT, CH, DE, ES, FR, HU, IE, IT, LU, NL, PL, PT, SI, UK (CHI Standard)	

Aggregated recyclability of the total packaging "Schogetten 100g" (silver aluminium foil)						
Test report No.	Packaging component	Share	Recyclability	Recyclability in relation to total packaging	Path	Recyclate/ Fibre yield
2429-2021-002130-1	Folding box	63,6%	96%	60,7%	Path 13: Paper, board and cardboard	98%
2429-2021-002130-2	Aluminium foil	10,7%	80%	8,6%	Path 10: Aluminium / NF-metals	80%
2429-2021-002130-3	Cardboard insert	25,3%	100%	25,3%	Path 13: Paper, board and cardboard	100%
Sum / Aggregated Recyclability		100%		86,1%	aggregated recyclability for EU, CH, NO, UK	
				94,6%	aggregated recyclability for AT, CH, DE, ES, FR, HU, IE, IT, LU, NL, PL, PT, SI, UK (CHI Standard)	

Document history

2429-2021-002130 Certificate Ludwig Schoetten 33g und 100g in various design variants
(date: 27/28/2021)

- Original certificate document with test report No. 2429-2021-002130-1, 2429-2021-002130-2, and 2429-2021-002130-3

2429-2021-002130-W1 Certificate Ludwig Schoetten 33g und 100g in various design variants
(date: 09/08/2022)

- Re-certification on basis of unchanged test reports with No. 2429-2021-002130-1, 2429-2021-002130-2, and 2429-2021-002130-3
 - In path 10, collection and recycling structures exist in AT, CH, DE, ES, FR, HU, IE, IT, LU, NL, PL, PT, SI, UK
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