



Audit Report

Version 4.2



Contents

1	Summary Sheet.....	3
2	Annex 4: Additional Requirements for German Waste.....	8
3	Annex 5: Example of a Weighing Ticket.....	12
13	Annex 6: Certification General Information.....	13



1 Summary Sheet

1.1 General Information

Recycler legal name:	Systec Plastics GmbH
Recycler plant address:	Röntgenstr. 6
Postcode and city:	48477 Hörstel
Country:	Germany
Certificate Number:	0062-10-23-HTP-BM
Type of Certification:	Monitoring Certification
Recycling Process description	washing, sorting and extrusion of polyolefins sales packaging
Input Plastic Waste Description <i>(include origin, source of waste; if available include sector and type of waste)</i>	post-consumer household polyolefins sales packaging
Recycler contact (name + email)	Sven Sassin, sven.sassin@gruener-punkt.de

This certificate was issued at the customer's request for the purpose of optimising internal processes/time sequences before the expiry of its validity. The certificate 0062-08-23-HTP-BM dated 02.08.22 loses its validity.

1.2 Recycling Process

Recycling process	Input plastic waste (type of material)	Presentation	Nominal capacity (t/a)	Post-consumer material accepted for recycling in previous 12 months (t)	Recycled output (type of material)	Post-consumer recycled output (%)	Pre and post-consumer recycled Output (%)	Level of traceability (1 to 3)	Washed material
Mechanical recycling/ final recipient	PP (e.g. Spec. 324)	Bales / Grind	27,202	24,690	PO-, PE-, PP-regranulates / regrinds	96	97	1	y
	PP-Plus (e.g., Spec. 324-1; -4; -5; -6)	Bales / Grind						1	y
	PE (e.g., Spec. 329)	Bales / Grind						1	y
	PO rigid (e.g., Spec. 321)	Bales / Grind						1	y
	PP 414	Bales / Grind						1	y

The recycling process and associated management systems of the aforementioned company for the waste plastic and site shown has been audited and have met the required standards for certification under the EuCertPlast Scheme for European Plastic Recyclers.

This plant is the last recipient of plastics waste and produces products.

1.3 Recycled Content in certified Recycled Output

Product number	Product name	Origin (Pre-consumer/ post-consumer) (%)	
32.0052	Systalen PP-C28003 bl001		93
32.0100	Systalen PP-C24000 gr000		100
32.0102	Systalen PP-C24701 gr000	20	80
32.0104	Systalen PP-C24000 gr006		100
32.0106	Systalen PP-C27000 gr003		99
32.0107	Systalen PP-C28000 gr000		99
32.0109	Systalen PP-C27000 gr008		99
32.0112	Systalen PP-C28001 gr000		98
32.0113	Systalen PP-C27000 gr013		96
32.0119	Systalen PP-C28002 gr010		94
32.0122	Systalen PP-C24000 gr007		98
32.0123	Systalen PP-C25000 gr011		97
32.0124	Systalen PP-C24002 gr000		100
32.0125	Systalen PP-C25000 gr009		97
32.0126	Systalen PP-C25000 gr014		90
32.0127	Systalen PP-C25000 gr008		97
32.0128	Systalen PP-C14002 gr000		100
32.0129	Systalen PP-C29001 gr017		98
32.0130	Systalen PP-C27000 gr016		95
32.0131	Systalen PP-C19002 gr000		99
32.0132	Systalen PP-C18002 gr000		99
32.0133	Systalen PP-C17000 gr000		99
32.0134	Systalen PP-C15001 gr000		99
32.0135	Systalen PP-C14003 gr000, vorläufig		100
32.0136	Systalen PP-C15000 gr000, vorläufig		100
32.0137	Systalen PP-C14008 gr000, vorläufig		100
32.0140	Systalen PP-C24004 gr000, vorläufig		100
32.0141	Systalen PP-C24005 gr000, vorläufig		100



Product number	Product name	Origin (Pre-consumer/ post-consumer) (%)	
32.0142	Systalen PP-C24006 gr000, vorläufig		100
32.0143	Systalen PP-C29002 gr017		98
32.0215	Systalen PP-C24000 bk000		98
32.0217	Systalen PP-C24000 bk002		97
32.0218	Systalen PP-C24001 bk003		93
32.0227	Systalen PP-C27050 bk001		93
32.0230	Systalen PP-C25002 gr000		99
32.0231	Systalen PP-C26000 bk000		98
32.0232	Systalen PP-C27001 bk000		98
32.0235	Systalen PP-C27001 tc001		98
32.0236	Systalen PP-C27001 tc005		98
32.0244	Systalen PP-C27001 gr000		99
32.0248	Systalen PP-C27001 gr009		98
32.0253	Systalen PP-C25701 bk000	50	48
32.0254	Systalen PP-C27001 bk002		97
32.0255	Systalen PP-C26700 bk000	30	68
32.0257	Systalen PP-C27700 bk000	30	68
32.0258	Systalen PP-C24700 bk000	30	68
32.0259	Systalen PP-C26701 bk000	50	48
32.0260	Systalen PP-C24003 bk003		93
32.0261	Systalen PP-C25702 bk004	98	0
32.0307	Systalen PP-C24000 gn004		96
32.0309	Systalen PP-C27000 gn005		96
32.0311	Systalen PP-C27000 gn002		96
32.0332	Systalen PP-C28003 gn003		91
32.0340	Systalen PP-C26001 bk002		97
32.0341	Systalen PP-C26000 bk002		97
32.0342	Systalen PP-C25000 bk002		97
32.0343	Systalen PP-C25000 gn002		97
32.0353	Systalen PP-C28003 yl000		90
32.0354	Systalen PP-C27000 gn004		95
32.0355	Systalen PP-C28002 gn006		87
32.0356	Systalen PP-C28002 gn007		94
32.0357	Systalen PP-C28003 gn007		94




Product number	Product name	Origin (Pre-consumer/ post-consumer) (%)	
32.0404	Systalen PP-C27000 bl009		94
32.0406	Systalen PP-C28002 bl002		88
32.0407	Systalen PP-C25002 bl007		95
32.0501	Systalen PP-C27050 tc001		92
32.0502	Systalen PP-C26000 gr000		99
32.0503	Systalen PP-C24000 tc001		98
32.0504	Systalen PP-C26000 tc001		97
32.0505	Systalen PP-C25002 tc001		97
32.0506	Systalen PP-C26001 gr004		98
32.0507	Systalen PP-C26001 tc001		97
32.0508	Systalen PP-C27000 bn006		98
32.0531	Systalen PP-C28003 rd002		93
32.0533	Systalen PP-C25001 rd005		94
32.0534	Systalen PP-C25000 tc001		98
32.0535	Systalen PP-C28002 rd008		91
32.0561	Systalen PP-C27000 bn001		97
32.0562	Systalen PP-C25000 bn006		98
32.0620	Systalen PP-C28002 rd007		88
32.0621	Systalen PP-C25003 gr000, vorläufig		100
32.0622	Systalen PP-C24003 gr000, vorläufig		100
32.0623	Systalen PP-C18001 gn010, vorläufig		96
32.0624	Systalen PP-C18001 yl000, vorläufig		96
32.5200	Systalen PP-C24500 bk000		78
32.5201	Systalen PP-C24501 bk003		83
32.5210	Systalen PP-C25500 bk000		88
32.5211	Systalen PP-C24502 bk003		61
32.5212	Systalen PP-C24503 bk003		61
38.0100	Systalen PP/PI C24000 gr000, vorläufig	50	50
38.0215	Systalen PP/PI-C24000 bk000, vorläufig	50	48
38.0244	Systalen PP/PI-C27001 gr000, vorläufig	50	49
38.0260	Systalen PP/PI-C24002 bk003, vorläufig	50	43
38.0502	Systalen PP/PI-C26000 gr000, vorläufig	50	49
38.5201	Systalen PP/PI-C24501 bk003, vorläufig	50	34
38.5212	Systalen PP/PI-C24503 bk003, vorläufig	50	11



Product number	Product name	Origin (Pre-consumer/ post-consumer) (%)	
38.9502	Systalen PP/PI-C26002 gr000, vorläufig	50	49

1.4 Audit Information

Audited by: Birgit Moersheim	<p>HTP GmbH & Co. KG Maria-Theresia-Allee 35 52064 Aachen Phone: +49 (0) 241 94900-0 Fax: +49 (0) 241 94900-19 Recycling · Renewables · Technical Consulting</p> 
Date of audit: 27.10.2022	
Period of evaluation: 01/10/2021 to 30/09/2022	
Period of validity: 27/10/22 to 26/10/23	



Aachen, 03.11.2022

Birgit Moersheim

Publicly certified expert on packaging disposal,
appointed by the chamber of commerce and
industry Competent: Chamber of commerce and
industry Aachen, PI: DE62 3063 6136 145

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1150 Woluwe-Saint-Pierre,
Brussels

2 Annex 4: Additional Requirements for German Waste

Plant certificate

Systec Plastics GmbH
 Röntgenstr. 6, D48477 Hörstel

The above-named plant has been audited on 27/10/2022 in compliance with the guidelines "Prüfleitlinien Mengenstromnachweis Systeme" of the Central Packaging Registry (Zentrale Stelle Verpackungsregister) according to the version of 15.12.2020. It has been verified that the plant fulfils the requirements of the VerpackG and other waste regulations in accordance with the named "Prüfleitlinien Mengenstromnachweis Systeme".

It concerns a

- First evaluation
- Sequential test
- Monitoring audit

The certificate is valid until: **31/10/2024**

Time under consideration: **01/10/2021 until 30/09/2022**

On-site inspection: **27/10/2022**

Date of the related report according to the attachments: 03/11/2022

Input material / Classification of the plant	Kind of delivery	Capacity input [t/a]	Product of the process	the recycling technique fed [%]	Untypical impurity content [%]	In the course of the pre-processing systematically discharged [%]	Recommended approval of the kind of recycling and /-quota [%]
LE: PP (e.g. Spec. 324)	Bales, Grind	30,805	PP-regranulates /regrinds	100	-	-	W:100
LE: PP-Plus (e.g. Spec. 324-1;-4; -5; -6)	Bales, Grind		PP-regranulates /regrinds	100	5 for 324-5	-	W: 100 W: 95 for 324-5
LE: PE (e.g. Spec. 329)	Bales, Grind		PE-regranulates /regrinds	100	-	-	W: 100
LE: PO (e.g. Spec. 321)	Bales, Grind		PO-regranulates /regrinds	100	-	-	W: 100
LE: PP 414	Bales, Grind		PO-regranulates /regrinds	100	-	-	W: 100
Total		30,805					

¹ LE: Final recipient (Letztempfänger), ¹ AB: Processor (Aufbereiter), E: Energy recovery (energetisch), W: Mechanical recycling, (werkstofflich)

The assignment of the recovery type is only available after the end of the calendar year: No

This certificate was issued at the customer's request for the purpose of optimising internal processes before the expiry of its validity. The certificate 0062-08-23-HTP-BM dated 02.08.22 loses its validity.

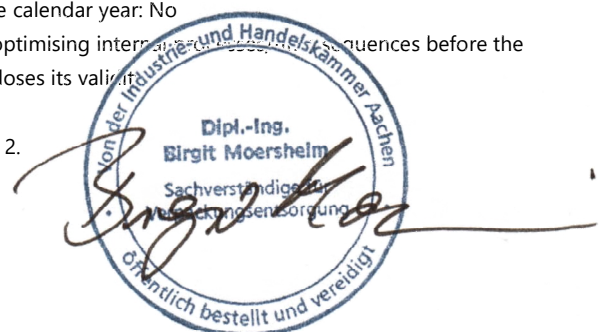
Reference is made to the individual findings in Annex 1.

A simplified process description of the plant processes is given in Annex 2.

The audit report number of 03/11/2022 is given in Annex 3.

A sample of the used weighing slip is given in Annex 4.

The issue of the certificate is without conditions



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Annex 1 to Certificate no. 0062-10-23-HTP-BM: Individual Findings

Contact person: Sven Sassin, Director Quality Management & Systems

Phone: +49 2203 937 155 Email: sven.sassin@gruener-punkt.de

Involved auditor: Birgit Moersheim (HTP GmbH & Co. KG/ auditor)

The result of the audit is based on the following single statements:

1. The plant has the necessary approvals.
2. Under qualitative and quantitative criteria, technical equipment, processes and plant operation are suitable to convert the initial materials mentioned into the final products.

Process engineering operations for the suitability determination are:

two stage grinding → washing → density-separation →regranulation

3. Systematic exclusion of specified materials is not observed.

Yes

4. The plant records production data that maps the processing of the incoming material according to the German Packaging Act (VerpackG). In particular, they are showing verifiable data of the performance achieved in terms of their quantitative, qualitative and technical results.

Yes

5. Based on the verified production characteristics as well as the conducted marketing test, the plant is classified as final recipient.

Yes

6. The identified capacity (partial capacity) is shown from the previous year (refer to point 3). The released capacity is within the limits of the permission.

Yes

7. The documents presented for mass flow verification and the data preparation fulfil the requirements of mass flow verification and of proper accountability. In-house processing has been verified.



Yes

8. Proper waste disposal was verified.

Yes

9. For verification purposes, the following expert procedures have been included:

- ISO 9001:2015 valid until 29/01/2025
- ISO 14001:2015 valid until 29/01/2025
- ISO 50001:2018 valid until 27/05/2025

10. The issuing of the certificate is without conditions.

Yes

Annex 2 to certificate no. 0062-10-23-HTP-BM: Process description

Systec Plastics GmbH operates a wet processing plant on the Hörstel site for the preparation and regranulation of polyolefins, primarily polypropylene (PP).

The plant is also suitable for processing polyethylene (PE) / polypropylene (PP) and polyolefin mixtures.

The input material is fed into the process in the form of bales or loose and is shredded and dry-cleaned in several steps. After wet processing and gravimetric sorting, the ground material is dried and then regranulated. The light fraction produced by gravimetric sorting is also regranulated.

The regranulate produced is stored in silos or big bags until it is sold and transported away.

Each product has its technical data sheet.



Annex 3 to certificate no. 0062-10-23-HTP-BM: Audit report

The plausibility check of the suitability for recycling by means of a (mass) balance sheet and the quantification of a recycling quota implies a mechanical splitting of the input into recyclable products and production waste.

Complete process balances for the entire plant for the period July 2021 to June 2022 are available to the auditor.

No systematic discharge of specification-compliant components into a residual waste stream could be recorded.

The product specification for the input materials PP-coloured 324-5 requires a minimum purity of 85 mass % according to the specification description. Accordingly, a recycling rate of 95 % is recommended.

Annex 4 to certificate no. 0062-10-23-HTP-BM: Template of weighing certificate



3 Annex 5: Example of a Weighing Ticket



Wiegeschein	2221016	01.06.2022
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Disponummer 3003988

Ext. Vorgangsnummer

Lieferant

Abholstelle

Spedition

LKW-Kennzeichen

Produkt 11.0327 - RO PP plus 324-1
AVV-Nr.: 19 12 04

first weighing

Erstwiegung 36.020 kg 09:46 12

second weighing

Zweitwiegung 16.360 kg 10:12 15

net weight

Nettogewicht 19.660 kg C 44 Ballen

Messwerte aus frei programmierbarer Zusatzeinrichtung. Die Gewichtswerte der geeichten Waage können eingesehen werden.
(C = errechneter Wert, H = Handeingabe)

Wäger:

Spedition/Fahrer

Unterschrift

Unterschrift

Ungelenkte Kopie / unguided copy



13 Annex 6: Certification General Information

13.1 Changes to the recycling process

You must contact the audit company immediately if:

- You have an operating or environmental permit (which is required by law) revoked or not renewed
- The business goes into administration
- The site where the recycling process takes place is sold to a different and un-related company
- You intend to or have shut down the recycling process for the foreseeable future (> 6 months)
- There is a significant change to the recycling process, in particular:
 - The equipment capacity is changed by more than 50%
 - The Input Plastic Waste which the recycling process can handle is changed (either the polymer or form, i.e. rigid or flexible)
 - The output of the recycling process is changed

13.2 Discrepancies

Where minor discrepancies have been identified, these must be rectified within 3 months of the issue date of this report. The auditor must confirm that all minor discrepancies have been rectified to his or her satisfaction. Failure to respond to any minor discrepancies identified in this report is likely to result in certification being suspended or revoked.

13.3 Provisional certificates & licence applications

If a recycling process has been in operation for less than 12 months or if less than 12 months of production or mass balance records exist, a provisional certificate will be issued. If licences required for EuCertPlast certification are in the process of being applied for, the licences in question must be sent to the auditor once available. If a licence application is unsuccessful, the auditor must be informed.

13.4 Certification renewal

A monitoring audit (for certification renewal) can be arranged 6 weeks prior to the expiration date of the certificate.

13.5 Confidentiality

The Certificate and Summary Sheet will be a publically available document.



The Report should not disclose sensible commercial information such as customers, clients, detailed organigram and detailed plant layout. Any details of commercial sensible information of Section 5 will only be displayed in Annex 2 of the Audit Report. The auditor will make two versions of the Audit Report: One including the content of the Annex 2: Detailed Production Process. Another, not displaying the content of this annex. The recycler will be free to disclose the complete information to any third party.

If not differently agreed with a third party, the recycler is the only one entitled to provide some or all of the report to their suppliers and customers.

The recycler and the auditor will have to sign a Non-Disclosure Agreement in order to safeguard the confidentiality of the information provided by the recycler.