



EuCertPlast

CERTIFICATE OF COMPLIANCE

Name of the recycler: Wewatec GmbH

Address: Industriestrasse 6, 92442 Wackersdorf

Country: Germany

Registration office address: Industriestrasse 6, 92442 Wackersdorf

Country: Germany

The recycling process and associated management systems for the waste place has met the required standard for certification under the **EuCertPlast Audit Scheme 4.2** in line with EN 15343:2007 and has the required procedures in place in order to ensure the traceability of recycled plastics incorporated in products listed in the attached Annex.

Certification module: general

Type of audit: monitoring certification

Traceability level: 1

Process overview: Grinding, washing, drying, densifying by agglomeration and extrusion

Input Plastic waste: PO film and mixed Plastics

Type and source of waste: Post-consumer, Household, Packaging

Recycled Output: PE/PP granules or rigid parts

Audit Report and Certificate Code: 0008-10-23-BOE-HB

Date of the audit: 27/10/2022

Period of validity: 31/10/2022 TO 30/10/2023

CERTIFIED BY:

BOES Engineering Services GmbH

BOES Engineering Services GmbH

Rudolf-Berta-Straße 39
D-63628 Bad Soden-Salmünster
Germany

Dokument unterschrieben
von: Holger Bös
am: 16.11.2022 08:10
Ort: Bad Soden-Salmünster
EuCertPlast



Dipl.-Ing. Holger Bös
Auditor



Output Recycled Content Share

Reference Output		Recycled Content (pre-consumer)	Recycled Content (post-consumer)	Origin
several numbers	rigid parts grey or black	/	Post-consumer 98,5% (black), 100% (grey)	Household, Packaging – Film or flexible mixed plastic
500022	„LDPE- Regranulat A“ schwarz	/	Post-consumer 98,5%	Household, Packaging – Film or flexible mixed plastic
500024	„LDPE- Regranulat A“ grau	/	Post-consumer 100%	Household, Packaging – Film or flexible mixed plastic
500027	Regranulat Polyflex schwarz (MPO)	/	Post-consumer 98,5%	Household, Packaging – Film or flexible mixed plastic
500028	Regranulat Polyflex grau (MPO)	/	Post-consumer 100%	Household, Packaging – Film or flexible mixed plastic

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Audit Report ID : 0008

Version 4.2



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1 Summary Sheet

1.1 General Information

Recycler legal name:	WEWATEC GmbH
Recycler plant address:	Industriestrasse 6
Postcode and city:	92442 Wackersdorf
Country:	Germany
Certificate Number:	0008-10-23-BOE-HB
Type of Certification:	Monitoring audit – Full certificate
Recycling Process description	Grinding, metalseparating by magnetism, cleaning by friction in water and separation by centrifugation, mechanical and thermal drying, densifying by agglomeration and extrusion into granules or plastic products.
Input Plastic Waste Description <i>(include origin, source of waste; if available include sector and type of waste)</i>	100% post-consumer packaging plastic waste from household, kerb side collection, sorted by specification into Film or mixed plastic. Almost flexible PE-LD and PE-HD, Input shape pressed bales, recycling traceability level 1.
Recycler contact <i>(name + email)</i>	Mr. Thomas Scharf + tscharf@wewatec.de

1.2 Recycling Process

Recycling Process	Input plastic waste (type of material)	Presentation	Nominal capacity (t/y)	Post-consumer material accepted for recycling in previous 12 months (t)	Output of recycling process	Average post-consumer recycled content of product (%)	Average pre- and post-consumer recycled content of product (%)	Level of traceability (1 to 3)	Washed material
material recycling final recipient R3	postconsumer mixed household Polyolefin film or mixed plastic from packaging PE-LD / PE-HD	pressed bales	26'209	24'868	extruded PE/PP-granules or rigid parts	98,5 % (black) or 100% (grey)	98,5 % (black) or 100% (grey)	1	yes

The recycling process and associated management systems of the 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)	Source (%) (household/ commercial/ industrial)	Sector* (Packaging, Agricultural, WEEE, ELV, B&C)	Type* (e.g., bottles, trays, etc.)
several numbers	rigid parts grey or black	Post-consumer 98,5% (black) 100% (grey)	Household 100%	Packaging	Film or flexible mixed plastic
500022	„LDPE-Regranulat A“ schwarz	Post-consumer 98,5%	Household 100%	Packaging	Film or flexible mixed plastic
500024	„LDPE-Regranulat A“ grau	Post-consumer 100%	Household 100%	Packaging	Film or flexible mixed plastic
500027	Regranulat Polyflex schwarz (MPO)	Post-consumer 98,5%	Household 100%	Packaging	Film or flexible mixed plastic
500028	Regranulat Polyflex grau (MPO)	Post-consumer 100%	Household 100%	Packaging	Film or flexible mixed plastic

1.4 Audit Information

Audited by:	Dipl.-Ing. Holger Boes	
Date of audit:	27/10/2022	
Period of evaluation:	01/09/2021 to 31/08/2022	
Period of validity:	31/10/2022 to 30/10/2023	

Auditor: Dipl.-Ing. Holger Boes
 publicly appointed and sworn-in expert for
 packaging waste management by
 the chamber of commerce and industry
 IHK Hanau-Gelnhausen-Schlüchtern

Auditing company:
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 eMail: info@plasticrecyclers.eu

2 Preliminary notes

EuCertPlast is a European wide certification programme for recyclers of post-consumer plastic waste. The aim of EuCertPlast is to recognise plastic recyclers operating according to high standards. The Certification gives confidence to suppliers and customers that any input plastic waste delivered, and output produced in a certified recycling facility will be recycled as per best practise.

The Certification works according to the European Standard EN 15343:2007 and aims at encouraging environmentally friendly plastics recycling processes by standardizing them.

The following documents are required in order to apply the European Standard:

EN 15342, plastics	Recycled plastics	Characterisation of polystyrene (PS) recyclates
EN 15344, plastics	Recycled plastics	Characterisation of polyethylene (PE) recyclates
EN 15345, plastics	Recycled plastics	Characterisation of polypropylene (PP) recyclates
EN 15346, plastics	Recycled plastics	Characterisation of poly(vinyl chloride) (PVC) recyclates
EN 15347, plastics	Recycled plastics	Characterisation of waste plastics
EN 15348, plastics	Recycled plastics	Characterisation of poly(ethylene terephthalate) recyclates
CEN/TR 15353:2007, plastics	Recycled plastics	Guidelines for the development of standards for recycled plastics
EN ISO 472:2001, plastics	Vocabulary (ISO 472:1999)	
EN ISO 14021	Environmental labels and declarations – Self-declared environmental claims (Type II environmental labelling) (ISO 14021:1999)	
ISO 17422, plastics	Plastics – Environmental aspects – General guidelines for their inclusion in standards	

Based on the principle of this European Standard and further requirements of different European certification systems, a certification scheme as defined in the following report was developed by the working group EuCertPlast.

This audit report is based on an appointment which took place on 27/10/2022 from 09:00 to 15:00 in Wackersdorf (production plant and headquarter office). The date was agreed upon with the customer. The following persons participated in the audit:

Mr. Thomas Scharf, Quality Manager
Mrs. Nicole Buchmann, responsible for energymanagement
Mr. Holger Boes, Eucertplast Lead Auditor, auditing company BOES Engineering Services GmbH
Mrs. Marion Boes, CEO auditing company BOES Engineering Services GmbH and audit assistance



3 Information on the Audit and Audit Results

3.1 General information

Type of audit	Monitoring audit
Audited site	WEWATEC GmbH Industriestr. 6, D-92442 Wackersdorf, Germany
Contact person	Mr. Thomas Scharf
Position	Quality Manager
Telephone	+49 9431-7480-24
Fax	+49 9431-7480-12
Email	tscharf@wewatec.de
Headquarters of the company	WEWATEC GmbH Industriestr. 6, D-92442 Wackersdorf, Germany
Recycling Process description	Grinding, metalseparating by magnetism, cleaning by friction in water and separation by centrifugation, mechanical and thermal drying, densifying by agglomeration and extrusion into granules or plastic products.
Input Plastic Waste Description <i>(include origin, source of waste; if available include sector and type of waste)</i>	100% post-consumer packaging plastic waste from household, kerbside collection, sorted by specification into Film or mixed plastic almost flexible PE-LD and PE-HD, Input shape pressed bales, recycling, traceability level 1.
Other processed material(s)	Black products are colored by virgin PE masterbatch
Date of the audit	27/10/2022
Date of the report	30/10/2022

3.2 Declaration of Compliance

The plant is suitable for processing the following post-consumer input waste to create recycle with the stated limitations:

Recycling Process	Input plastic waste (type of material)	Presentation	Nominal capacity (t/y)	Post-consumer material accepted for recycling in previous 12 months (t)	Output of recycling process	Average post-consumer recycled content of product (%)	Average pre- and post-consumer recycled content of product (%)	Level of traceability (1 to 3)	Washed material
material recycling final recipient R3	postconsumer mixed household Polyolefin film or mixed plastic from packaging PE-LD / PE-HD	pressed bales	26'209	24'868	extruded PE/PP-granules or rigid parts	98,5 % (black) or 100% (grey)	98,5 % (black) or 100% (grey)	1	yes

The company fully complies with the requirements of the EuCertPlast certification scheme.

3.3 Recycled Content in *Recycled Output*

Product number	Product name	Origin (%) (Pre-consumer/ post-consumer)	Source (%) (household/ commercial/ industrial)	Sector* (Packaging, Agricultural, WEEE, ELV, B&C)	Type* (e.g., bottles, trays, etc.)
several numbers	rigid parts grey or black	Post-consumer 98,5% (black) 100% (grey)	Household 100%	Packaging	Film or flexible mixed plastic
500022	„LDPE-Reggranulat A“ schwarz	Post-consumer 98,5%	Household 100%	Packaging	Film or flexible mixed plastic
500024	„LDPE-Reggranulat A“ grau	Post-consumer 100%	Household 100%	Packaging	Film or flexible mixed plastic
500027	Reggranulat Polyflex schwarz (MPO)	Post-consumer 98,5%	Household 100%	Packaging	Film or flexible mixed plastic
500028	Reggranulat Polyflex grau (MPO)	Post-consumer 100%	Household 100%	Packaging	Film or flexible mixed plastic

*Optional

Detailed list of grades containing certain share of post-consumer recycled content. Details include the source of waste household, commercial or industrial. Optionally, type of waste and sector can be detailed.

4 Audit Findings

The result of the audit is based on the following identified facts with regards to:

4.1 Licences, permits, and certificates

4.1.1 Business and operating licenses

See section 1.1 of the EuCertPlast Audit Scheme

OK. The company is registered at Amtsgericht Amberg HRB 2131. The required authorisations for processing and storage of waste plastics were issued by authority Landratsamt Schwandorf starting from the first „Bauantrag 28.02.1996“ to the last „Bescheid 3.111-824.162-Lüftung . Vollzug BlmschG 16.02.2009“.

The Licences and permits for processing shown to the auditor fit to the process and the materialflows at the factory.

4.1.2 Environmental licenses & permits

See section 1.2 of the EuCertPlast Audit Scheme

The required authorisations for processing and storage of waste plastics were issued

OK. The licences and permits shown to the auditor fit to the process and the material flows at the factory by authority Landratsamt Schwandorf Vollzug BlmschG 16.02.2009“.

4.1.3 Waste transport licenses

See section 1.3 of the EuCertPlast Audit Scheme

Not applicable. The recycler does not transport any waste on their own vehicles outside the plant.

4.1.4 License & permit conditions – waste plastics processed

See section 1.4 of the EuCertPlast Audit Scheme

OK. Evidence given by evaluation of the recorded details. The 26'964 t/12month material processed did not exceed the limit of 30'000 t/a, that is set out in their operating license.

4.1.5 License & permit conditions – storage

See section 1.5 of the EuCertPlast Audit Scheme

OK. 2100m² permitted uncovered storage area for Input and Output on fixed ground since 17.07.2007 by Landratsamt Schwandorf Bescheid: 3.111-824.162-RFL II.

Additional 900m² uncovered are intended for waste storage and handling in containers for not on sealed ground. Covered storage area of 1500m² close to production.

4.1.6 ISO 14001

See section 1.6 of the EuCertPlast Audit Scheme

Not fulfilled.

No essential criteria. The factory is not certified under ISO 14001 Standard, but is certified DIN ISO 50001, Reg.No. EM-020398-DE, valid until 06/05/2023.

4.1.7 ISO 9001, 18001, EMAS

See section 1.7 of the EuCertPlast Audit Scheme

OK. The factory is certified ISO 9001 by TAW-CERT Reg.No. QM-020398-DE, valid until 24/05/2025.

4.1.8 Insurances (1)

See section 1.8 of the EuCertPlast Audit Scheme

OK. Essential Insurance policies are in date and for the site of the recycling process. Insurance company HDI-Gerling. Copies were taken for evidence for industrial risks and product and environmental liability.

4.1.9 Insurances (2)

See section 1.9 of the EuCertPlast Audit Scheme

OK. The social liability is covered according to German law by payment according to wages and furthermore by the so called "Unfallversicherung" of the "Berufsgenossenschaft BG RCI". Payment document dated 05/06/2022 (Copy taken).

4.2 Management team

4.2.1 Company directors

See section 2.1 of the EuCertPlast Audit Scheme

OK. Given evidence by documented information. Fulfilled and given evidence by documented information, dated 04/03/2022. Mr. Rudolf Wiesinger is CEO.

4.2.2 Staff structure & responsibilities

See section 2.2 of the EuCertPlast Audit Scheme

OK. Not applicable because of valid ISO 9001:2015 certificate.

4.2.3 Staff qualifications – Technical

See section 2.3 of the EuCertPlast Audit Scheme

OK. Not applicable because of valid ISO 9001:2015 certificate.



4.2.4 Staff training – Technical

See section 2.4 of the EuCertPlast Audit Scheme

OK. Not applicable because of valid ISO 9001:2015 certificate.

4.2.5 Staff qualifications - Quality management

See section 2.5 of the EuCertPlast Audit Scheme

OK. Not applicable because of valid ISO 9001:2015 certificate.

4.2.6 Staff training – Quality management

See section 2.6 of the EuCertPlast Audit Scheme

OK. Not applicable because of valid ISO 9001:2015 certificate.



4.3 Incoming material procedures and controls

4.3.1 Purchase specifications

See section 3.1 of the EuCertPlast Audit Scheme

OK. Fulfilled and given evidence by successful comparison of incoming load log and stored input loads to purchase specifications (Polymer, kind of post consumer waste).

Purchase specifications (examples) :

310-1 flexible film household packaging plastic ,

323-2 mixed flexible polyolefin household packaging.

4.3.2 Waste category identifiable

See section 3.2 of the EuCertPlast Audit Scheme

OK. Fulfilled and given evidence by documented information on weighing notes and internal descriptions on production-logs and product-tags. The Input waste category for postconsumer is 150102 or 191204. The postconsumer or post manufacturing character was given evidence by the inspection of the input storage and the crosscheck validation of the input material documentation. Weights and details of each delivery are recorded. Fulfilled and given evidence by documented information by weighing notes and internal documentation in daily production-logs and product-tags, so traceability level 1 is recognized.

4.3.3 Weights & dates of delivery recorded

See section 3.3 of the EuCertPlast Audit Scheme. See Section 10 in the Auditor's Guidance

OK. Fulfilled and given evidence by documented information on different media, like paper bills of loading or data in the ERP-system. Weigh bills samples comparison of recorded data with original documents did not show discrepancies.

4.3.4 Supplier details recorded

See section 3.4 of the EuCertPlast Audit Scheme

OK. Fulfilled and given evidence by successful crosschecking of delivery documents. Each batch of Input Plastic can be linked to a supplier.

4.3.5 Haulier details recorded

See section 3.5 of the EuCertPlast Audit Scheme

OK. Fulfilled and given evidence by successful crosschecking of delivery documents. Each batch of Input Plastic can be linked to a supplier.

4.3.6 Weighbridge calibrated

See section 5.6 of the EuCertPlast Audit Scheme

OK. Fulfilled and given evidence by visiting the location and copying the calibration document. The company owns and uses a calibrated weighbridge. A copy of the valid Verification Certificate was taken. Bayerisches Landesamt für Maß und Gewicht: No.: E-013-17-00392, valid until 31/12/2023

4.4 Stock management

4.4.1 Stockyard details

See section 4.1 of the EuCertPlast Audit Scheme

Stockyard area is under control and from the point of space and preparation sufficient to keep the postconsumer waste input anytime in good condition. The covered storage: is 1500 m², the uncovered storage is 3000 m².

4.4.2 Incoming stock identifiable by supplier

See section 4.2 of the EuCertPlast Audit Scheme

OK. All input material is processed after being stored in pressed bales as delivered by type of material in a few boxes. The supplier of each batch can be identified by the label. Stockyard area is under control and covered. Space and preparation are sufficient to keep the postconsumer waste input in good condition any time.

Fulfilled and given evidence by visual inspection of delivery documents and stored material itself. Stored material is marked by tags, supplying the workers with all information about the material. Input material is stored load by load and identifiable by supplier. Each delivery is entered into stock with the weight of the incoming material. For each delivery the following data are registered in the warehouse-system:

- number of order (disposition number, load number)
- place of origin
- net weight
- number of bales
- date of delivery

4.4.3 Storage conditions

See section 4.3 of the EuCertPlast Audit Scheme

OK. Fulfilled and given evidence by checking the separate storing of any truck and marking of the loads. All material is stored on solid ground.

4.4.4 Stock management system

See section 4.4 of the EuCertPlast Audit Scheme

OK. Processing of the material is guided by a functional stock management system including marking separate stock areas for different incoming lots. Any incoming or outgoing lot is registered manually in the warehouse system on base of weight bills. This is documented for input or withdrawal of raw material, products, and wastes. All products filled in Big Bags are

registered and labelled. Given evidence by check of documents. The stock management system guarantees the traceability from the moment of delivery until the processing of the bales truckload by truckload.

4.4.5 Stock checks

See section 4.5 of the EuCertPlast Audit Scheme

OK. Stock is checked daily in the input area to document the production management. Three months before the audit the stock did not exceed the permitted volume.

- 30/08/2022: 342 t
- 31/07/2022: 359 t
- 31/06/2022: 509 t

4.5 Mass balance of the recycling process

This is a simplified mass balance calculation for the plant. Only general information and numbers in percentage shall be included in this section. Company sensitive information (exact numbers) shall only be included in the Annex 2. See section 11 in the Auditor's Guidance for further explanation on the calculation process.

	Mass balance overview	Description	Amount [t / a] Percentage [%]
PLANT INFO	Site capacity (t) permitted by licence		30'000 t/a
	Equipment Capacity (t) availability 93%		26'209 t/a
	Nominal Capacity (t) by production per year, availability 88,59%		24'964 t/a
INPUT	Input Plastic Waste (t) (pre and post-consumer)	100% Post consumer flexible packaging from households	100%
	Additives & Masterbatches (t)	Masterbatch bought and used	0,58%
	Other (t)	no	0
OUTPUT	Recycled Output (t)	Extruded granules or thermo plastic parts	62,41%
	By-products (t)	FE-Metal separation to recycling	0,91%
	Subcontracted Recycling (t)	n. a.	0
	Waste (t)	Solid waste dry mass calculated 75%	24,55%
Mass balance (difference in t)			12,71%
Energy consumption (KWh/t Inputwaste / KWh/t Outputproduct)			Not to be disclosed
Water Consumption (m³/t)			Not to be disclosed

Beneficial Output (%)	62,74 %
<i>Description: Byproduct is FE-metal from metal separation sended to metal recycling</i>	
Yield (%)	61,83%
<i>Description: extruded granules grey or black and finished parts from thermoplastic polyolefines.</i>	
Traceability description: Records of all above data (Input waste, products, residual waste) are kept in ERP system and in paper. The traceability level 1 is given reason and evidence by truck load wise storage and detailed documented processing of input material by defined processing orders of different qualities also in mix of different supplier's lots.	

The detailed mass balance per stream are included in Annex 2.

4.5.1 Recycling Statistics

See section 5.1 of the EuCertPlast Audit Scheme

4.5.1.1 Site Capacity

Licensed site capacity is 30'000 t/a.

4.5.1.2 Equipment Capacity

Determined troughput by evaluation of production logs and ERP-system for the time period from 01/09/2021 to 31/08/2022 was 24'964 t in planned 8760 h, in average including availability factor for planned and not planned interruption 2,85 t/h.

4.5.1.3 Nominal Capacity

Average processing of 2,85 t/h of Input material.

Planned hours: 365 days x 24h/day = 8760h/month, redundancy at the bottleneck.

Availability at bottleneck separation determined in 8 months of 2022 in average: 88,59%.

Because of redundancy estimated possible availability of 93%.

Nominal capacity (t) = Determined throughput x Production hours x (Availability/100)

$$2,85 \text{ t/h} \times 8760 \text{ h/a} \times 93\% / 88,59\% = 26'209 \text{ t/a}$$

The running capacity of the Recycler's equipment with respect to the weight of Input Plastic Waste they accepted into the Recycling Process to produce a Recycled Output. It is calculated capacity value based on consumption figures during a determined period. It considers planned production hours, the throughput, and the identified availability of the line. Planned hours: 365 days x 24h/day = 8760h/month three similar lines at the bottleneck



4.5.1.4 Incoming Input Plastic Waste (pre-consumer and post-consumer)

100% postconsumer waste from sorting-centre, origin private household packaging plastic waste, kerbside collected. Different sorting specification. Target polymer types are polyolefines, that is PE+PP.

4.5.1.5 Subcontracted Recycling

No subcontractation.

4.5.1.6 Energy consumption in KWh per t of Recycled Output produced

Not to be disclosed information.

4.5.2 Input volume reconciliation

See section 5.2 of the EuCertPlast Audit Scheme

OK. The accepted material does not exceed the capacity.

(Equipment capacity + Subcontracted recycling is bigger or similar to Input Volume)

26'209 t/a + 0 t/a is bigger than 24'964 t/a

4.5.3 Process inputs & outputs recorded

See section 5.3 of the EuCertPlast Audit Scheme

All Inputmaterial was recycled on site and documented in daily journals input and output.

- a) Input 100% sorted postconsumer packaging waste from household (predominantly flexible).
- b) Recycled Outputs: extruded Granules or plastic parts from washed thermoplastic polyolefins.
- c) Black PE-Masterbatch only added in black granules or parts.
- d) Solid waste is heavy fraction from windshifting and sinking fraction from wash- and separation-process.
- e) By-Products considered only FE-metals forwarded to off-site metal recycling

All produced material is either filled in big-bags or silo and is sold to plastic converters or directly used on site to produce plastic parts instead of extruded granules.

4.5.4 Recycling Process volume reconciliation calculation

See section 5.4 of the EuCertPlast Audit Scheme and Section 11 of the Auditor's Guidance
The volume reconciliation calculated of 12 month period before the assessment audit.

- Sum Input: 100% Plastic waste + 0,58% additives (added at the end only to some products)
- Sum Output: 62,4%product+ 0,91% by-product + 24,55% waste (drymass)
- Volume reconciliation = Sum Input – Sum Output = 12,71%

The difference can be explained as loss of Input moisture during the recycling, especially by drying the wet post consumer Input waste. No concerns about the Volume reconciliation result.



4.5.5 Beneficial Output and yield

See section 5.5 of the EuCertPlast Audit Scheme

Yield = (recycled Output – Additives) / Waste input = (62,41% -0,58%) / 100% = 61,83%

Beneficial Output = Yield % + byproducts % = 61,83%+ 0,91% = 62,74%

4.5.6 Documented control of recycling process

See section 5.6 of the EuCertPlast Audit Scheme

OK. Shift minutes and quality checks document ttrol of the process.

Production records showed the times and workers and by internal order numbers and bale wise processing protocol detailed registered for any truckload of input and labelled on the product.

These records are available for several years and were evaluated for a 12 month period before the assessment audit.

4.5.7 Use of production statistics

See section 5.7 of the EuCertPlast Audit Scheme

OK. Production statistics show all relevant details and aggregated figures.

4.5.8 Tracing input plastic waste & input batches to suppliers

See section 5.8 of the EuCertPlast Audit Scheme

OK. Input waste plastic is traceable until the moment of crunching and combination of material of differing origin and/or specification. The input truckloads are labelled with a routing slip and so the complete processing is traceable documented until completely recycled.

4.5.9 Tracing recycling output to suppliers

See section 5.9 of the EuCertPlast Audit Scheme

OK. All figures are available to calculate the recycled content of the output.

4.5.10 Recycling process as per EN15343

See section 5.10 of the EuCertPlast Audit Scheme

OK. All figures are available to calculate the recycled material share in the final product. The process is state of the art in material recycling and complies with the EN15343 concerning control of the process documentation and traceability.



4.5.11 Known recycled content

See section 5.11 of the EuCertPlast Audit Scheme

Product number	Product name	Origin (%) (Pre-consumer/ post-consumer)	Source (%) (household/ commercial/ industrial)	Sector* (Packaging, Agricultural, WEEE, ELV, B&C)	Type* (e.g., bottles, trays, etc.)
several numbers	rigid parts grey or black	Post-consumer 98,5%.(black) 100% (grey)	Household 100%	Packaging	Film or flexible mixed plastic
500022	„LDPE– Regranulat A“ schwarz	Post-consumer 98,5%	Household 100%	Packaging	Film or flexible mixed plastic
500024	„LDPE– Regranulat A“ grau	Post-consumer 100%	Household 100%	Packaging	Film or flexible mixed plastic
500027	Regranulat Polyflex schwarz (MPO)	Post-consumer 98,5%	Household 100%	Packaging	Film or flexible mixed plastic
500028	Regranulat Polyflex grau (MPO)	Post-consumer 100%	Household 100%	Packaging	Film or flexible mixed plastic

4.6 Checks on recycled output

4.6.1 Sales records

See section 6.1 of the EuCertPlast Audit Scheme. See section 10 in the Auditor's Guidance.

OK. Sales records of finished plastic parts or extruded granules are documented. In addition, the auditor also checks the use of extruded granules at customers of the recycler.

4.6.2 Evidence of sales

See section 6.2 of the EuCertPlast Audit Scheme

OK. Evidence of sales is given for plastic parts and the supply-chain was spot checked personally at a plastic-part customer during a RAL UZ 30a audit.

4.6.3 Evidence of by-product treatment or use

See section 6.3 of the EuCertPlast Audit Scheme

OK. Byproducts (i.e. wires from pressed bales) are sent to licenced sites.

4.7 Environmental protection

4.7.1 Disposal of solid waste

See section 7.1 of the EuCertPlast Audit Scheme

Environmentally compatible solid waste disposal was given evidence by checking of balance spreadsheet and detailed spotchecking of waste weight tickets and invoices in August 2022 the documents of waste disposal for the month. Documented information showed all details and weight of the waste received and confirmed from licensed waste management companies.

4.7.2 Conditions of disposal of solid waste

See section 7.2 of the EuCertPlast Audit Scheme

OK. There are fenced areas to avoid wind dispersion and solid wastes (especially Input) are stored on paved floor with rainwater collection system.

Solid wastes are stored and transported in a way that reduces space and volume of transportation waste is collected and stored in containers separately by kind of material and forwarded to licences companies for material recycling, energy-recovery, or disposal.

4.7.3 Licensed treatment of wastewater - Off site

See section 7.3 of the EuCertPlast Audit Scheme

Not applicable. No waste water is collected and sent for off site treatment.

4.7.4 Capture and treatment of runoff

See section 7.4 of the EuCertPlast Audit Scheme

OK. No contaminated runoff water is emitted to the environment. Fulfilled and given evidence by stock area design and construction. A drainage system is installed.

4.7.5 Pellet and waste loss procedure (1)

See section 7.5 of the EuCertPlast Audit Scheme

OK. The recycler has procedures in place to prevent the leakage of Input Plastic Waste and Recycled Output into the environment within its premises and surroundings. fulfilled and given evidence by visual inspection. No contamination to be recognized whilst the inspection of the plant. Staff is trained to have the environmental protection in mind while running storage and production line.

The recycler was informed about the „Zero Pellet Loss“ project.

4.7.6 Pellet and waste loss procedure (2)

See section 7.6 of the EuCertPlast Audit Scheme



OK. There are fenced areas to avoid wind dispersion and solid wastes (especially Input) are stored on paved floor with rainwater collection system.

Solid wastes are stored and transported in a way that reduces space and volume of transportation.

4.7.7 No contamination of local environment

See section 7.7 of the EuCertPlast Audit Scheme

Neither solid, liquid or gaseous contamination could be obviously recognized while inspecting all storage and processing areas.

4.8 Subcontracting

4.8.1 Control of Subcontracted recycling

See section 9.1 of the EuCertPlast Audit Scheme

Not applicable.

4.8.2 Evidence subcontractor holds an EuCertPlast Certification

See section 9.2 of the EuCertPlast Audit Scheme

Not applicable.

4.8.3 Suppliers informed of subcontracted recycling

See section 9.3 of the EuCertPlast Audit Scheme

Not applicable.

4.8.4 Control of subcontracted processing

See section 9.4 of the EuCertPlast Audit Scheme

Not applicable.

4.8.5 Evidence of subcontractor's waste transport licenses

See section 9.5 of the EuCertPlast Audit Scheme

Not applicable.

4.9 Quality management

The internal Quality management system covers all relevant process steps. The criterion is recognizable fulfilled, even if not continuously third-party-certified, because of the more than 20 years of developing quality management and process steering system of meanwhile several recycling and production lines.

4.9.1 Quality assurance system

See section 10.1 of the EuCertPlast Audit Scheme



OK. Quality of input material and products is systematically monitored in comparison to specification and documented in a measurable manner.

4.9.2 Input plastic waste input controls as per EN15347 and EN15343

See section 10.2 of the EuCertPlast Audit Scheme

OK. Any load is inspected with reference to the purchase specifications. The Input controls are in line with Section 4.1 (control of Input materials) in EN15343. The Input sorting quality of used PE-LD flexible film from kerb side collection and sorting is state of the art. The incoming material is easily to be recognized by shape, material kind, color and contamination grade and compared to the input characteristics and details, that are documented on the delivery documents

4.9.3 Quality testing during Recycling Process

See section 10.3 of the EuCertPlast Audit Scheme

OK. The process runs stable and under control. Important process-quality parameters are examined like moisture and density of the granules.

Significant technical parameters are online immediately registered and evaluated so help is provided in an instance.

4.9.4 Recycled output product specifications

See section 10.4 of the EuCertPlast Audit Scheme

OK. The product quality parameters are agreed upon with the onsite use of the recyclates for plastic parts production or with external customers.

4.9.5 Permitted variances in recycled output product specifications

See section 10.5 of the EuCertPlast Audit Scheme

OK. By directly processing the intermediate product PE/PP in extrusion process the needed parameters are confirmed by the successful processing. Separate analysis data sheets are not necessary because of the direct conversion into plastic parts for end users. The permitted range in the characteristics are shown in the specification for the recycled Output.

4.9.6 Recycled output product specification as per EN standards (characterisation)

See section 10.6 of the EuCertPlast Audit Scheme

The output agglomerate is completely used for onsite production of thick-walled parts.

4.9.7 Out of specification load procedure

See section 10.7 of the EuCertPlast Audit Scheme

OK. The so called "Rügeverfahren" has 3 to 5 days timeframe for the load rejection of inputmaterial.

4.9.8 Rejected load procedure

See section 10.8 of the EuCertPlast Audit Scheme

All loads are checked and suspicious or identified unacceptable loads are handled with quarantine procedures, according to the ISO 9001:2015 documentation..

4.9.9 REACH

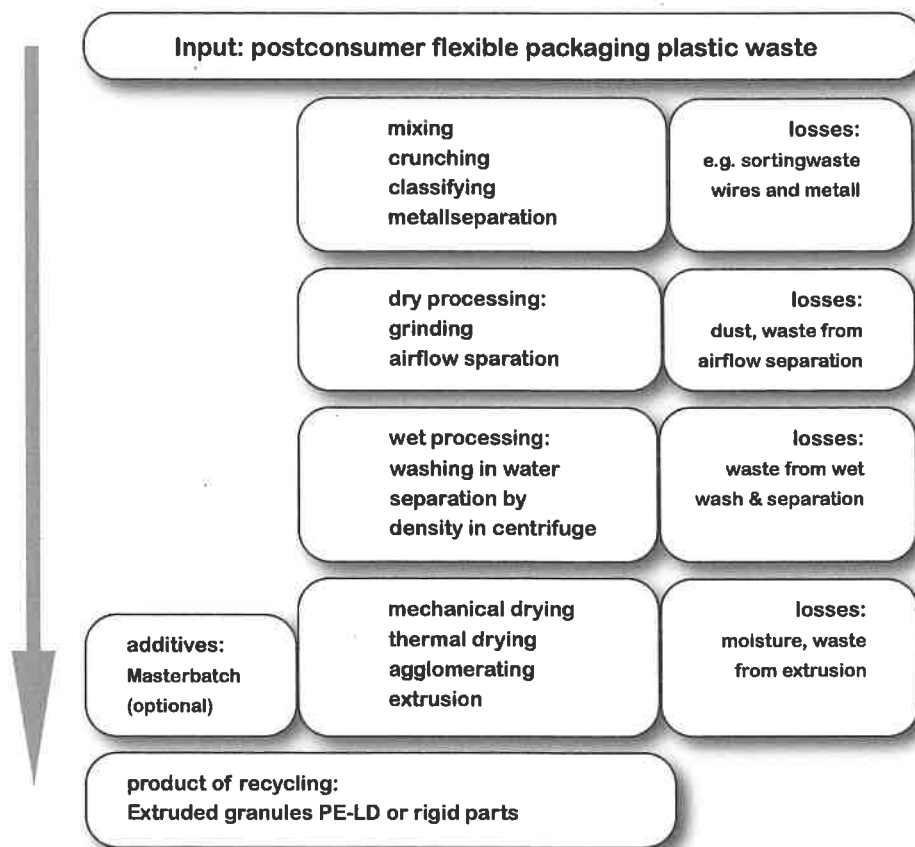
See section 10.9 of in the EuCertPlast Audit Scheme

OK. The criterion is fulfilled. A copy of the preregistration document was taken. Safety data sheets are on hand.

5 Recycling Process

5.1 Process description and Flow-Chart

All material is processed in one line, partly redundances in grinding, washing, separating by rotating centrifuges. Clean intermediate product is extruded into parts from thermoplastic Polyolefin PE/PP-Blend or into extruded granules, from which some are directly used for injection molding processes by plastic converters. Extruded granules or parts can be colored by masterbatch in line with the recycling process, dependent of the needs of the customers.





6 Non-conformities identified

Following chapter No. reference with checklist

4.1.3: No waste transport license necessary, because of no waste transport by trucks of the recycler (not applicable)

4.1.6: No ISO 14001 certification necessary. (Category 2)

4.9.3: Not any 10t analytic test reports. Not mandatory. (Category 2 for non-food-contact)

7 Auditor's Comments

The recycling process and associated management systems of the 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.

Bad Soden-Salmünster, 30/10/2022