

 IV CICLO DE
ECONOMÍA CIRCULAR
PLÁSTICOS: EL CAMINO HACIA LA SOSTENIBILIDAD

El Futuro de los Plásticos es Circular

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CON LA COLABORACIÓN DE:  **AIMPLAS**

RecyClass

Making plastic circular by ensuring all products are **recyclable** and by promoting **transparent uptake of recycled content** in new products in line with the circular economy.



RECYCLABILITY

RECYCLED
PLASTIC

RECYCLING PROCESS



USE OF RECYCLED
PLASTICS

RecyClass | CERTIFICATION SCHEMES

RECYCLASS RECYCLABILITY CERTIFICATIONS

RecyClass Design for Recycling Certification	RecyClass Recyclability Rate Certification
 <ul style="list-style-type: none"> ✓ Technical Assessment ✓ A to F class ✓ EU27+3 coverage ✓ European plastic waste streams ✓ Assesses design, sorting & end-use ✓ 3rd-party certification 	 <ul style="list-style-type: none"> ✓ Quantitative Assessment ✓ A to F class & recyclability rate % ✓ Country-specific coverage ✓ European plastic waste streams ✓ Assesses design, collection, sorting & end-use ✓ 3rd-party certification ✓ On-pack certification mark

RECYCLASS RECYCLED PLASTICS CERTIFICATIONS

RecyClass Recycling Process Certification	RecyClass Recycled Plastics Traceability Certification
	
<ul style="list-style-type: none"> ✓ EN 15343 ✓ Controlled blending model (ISO 22095:2020) ✓ Pre-consumer & post-consumer (ISO 14021) ✓ Conformity assessment (ISO 17065) ✓ Circular Plastics Alliance ✓ Recycled plastic % - physical traceability ✓ 3rd certification 	
<ul style="list-style-type: none"> ✓ EU Food Contact Regulation (2022/1616) ✓ Positive evaluation by European co-operation for Accreditation (ISO 17065) 	<ul style="list-style-type: none"> ✓ Positive evaluation by European co-operation for Accreditation (ISO 17065)

RecyClass | VALUE CHAIN COLLABORATION

BRANDS & RETAILERS



CONVERTERS



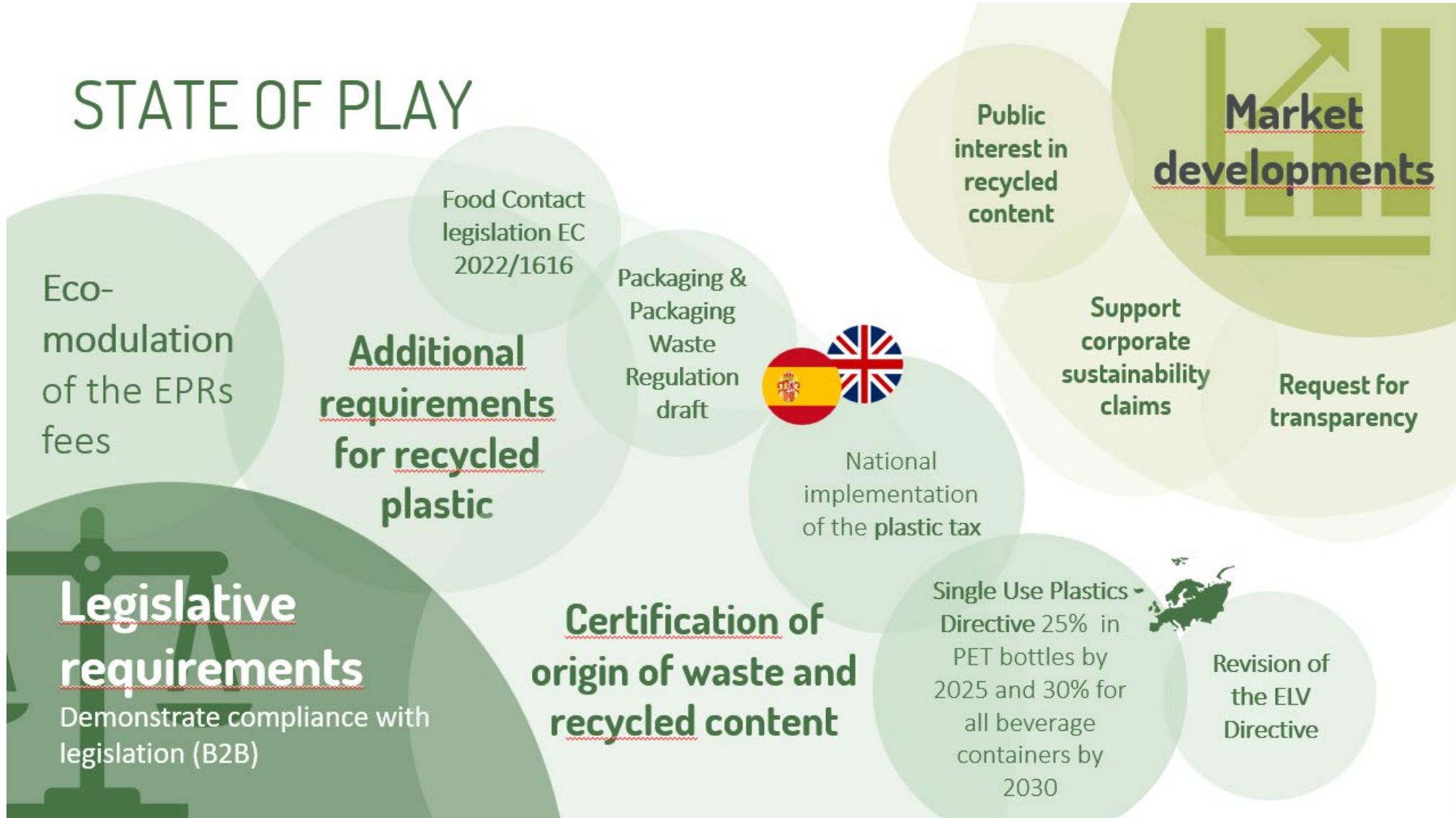
RAW MATERIAL PRODUCERS



SUPPORTERS



STATE OF PLAY





WHY RECYCLASS CERTIFICATION?

Traceability.

Use of recycled plastic along the value chain



Transparency.

Information about the waste origin and source



Trust.

Certified claims for recycled content



RecyClass | RECYCLED PLASTIC CERTIFICATIONS



RecyClass | ORIGIN OF WASTE

Pre-consumer plastic

[ISO 14021:2016, 7.8.1.1]

Material diverted from the waste stream during a manufacturing process. Excluded is reutilization of materials such as rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it.

e.g. PET preforms

(By-products have no waste status) Re-work, regrind or scraps that can be reclaimed in the same process that generated it are excluded

Post-consumer Plastic

[ISO 14021:2016, 7.8.1.1]

Material generated by households or by commercial, industrial and institutional facilities in their role as end-users of the product which can no longer be used for its intended purpose. This includes returns of material from the distribution chain.

e.g. Household waste, commercial waste such as supermarkets

More information in the [CPA Guidance on Waste.](#)

RecyClass | RECYCLING PROCESS CERTIFICATION

- Traceability according to **EN 15343:2007** - Plastics recycling **traceability** and assessment of conformity and recycled content.
- Scheme based on **segregation/controlled blending chain of custody** model described in **ISO 22095:2020**. No specification of applicable recycling technologies.
- Audit evaluation procedures aligned with **conformity assessment** as described in **ISO 17065**.



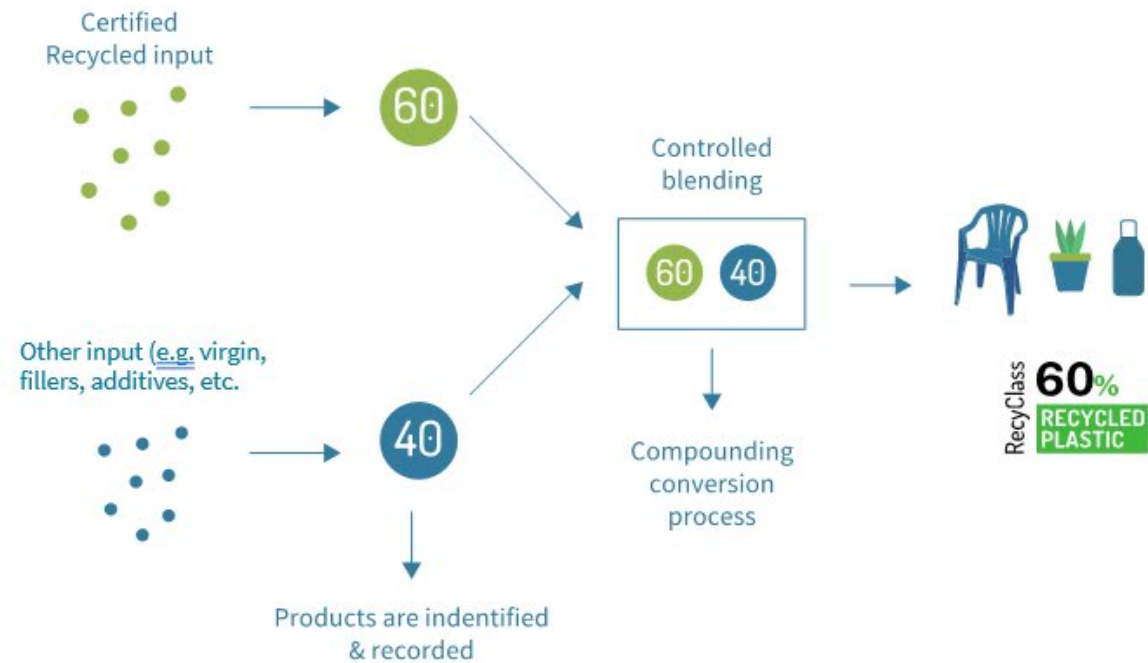
RecyClass | RECYCLED PLASTIC CERTIFICATIONS



RecyClass

RECYCLED PLASTICS TRACEABILITY CERTIFICATION

- Focus on the **physical traceability** of waste.
- The certification relates to recycled plastics when mixed with other materials or substances resulting in a **known proportion of recycled content of plastics** in output products.
- Focus on the **physical presence** of recycled plastics in the output.



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RECYCLED PLASTICS TRACEABILITY AUDIT REQUIREMENT OVERVIEW



Section 1
**QUALITY
SYSTEM
REQUIREMENTS**



Section 2
**SUPPLIER
EVALUATION**



Section 3
**INPUT
REQUIREMENTS**



Section 4
**STOCK
MANAGEMENT**



Section 5
**PRODUCTION
PROCESS**



Section 6
**OUTPUT
COMPOSITION**



Section 8
**OUTPUT
REQUIREMENTS**



Section 9
SUB-CONTRACTING

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RECYCLED PLASTICS TRACEABILITY CERTIFICATION

Recycled content calculation

[EN 15343:2007 – identical standard to UNE EN 15343:2008]
share of Recycled Content for pre-consumer and post-consumer of
a Product will be calculated as:

$$\text{Recycled content (\%)} = \frac{\text{Mass of Recycled input}}{\text{Mass of Products or Components}} \times 100$$

Throughout the process, the ratio between inputs and outputs is
always known for a determined volume



A minimum percentage of 10%
is needed to claim recycled
content



Min. value of recycled
plastic in the products in
case of variations

RecyClass | APPLIED CHAIN OF CUSTODY MODELS

	IDENTITY PRESERVED	SEGREGATION	CONTROLLED BLENDING	MASS BALANCE	BOOK & CLAIM
Physical traceability	✓	✓	✓	≈	✗
Physical presence of specified characteristics	✓	✓	✓	?	?
Mixing of specified characteristics with other inputs	✗	✗	✓	✓	✓
Possible claims	Contains 100% recycled plastics		Contains X% recycled plastics	Contributes to the replacement of virgin plastics Company X used X amount of recycled plastics for X products.	Generally, not used for recycled plastics.

RecyClass | AUDIT OUTCOME – Recycling Process



List of certified products/families of products



- + Final logo
- + Logo Design Guidance
- + Quality Management & Procedures document.
- + Use of Claims and Guidance

RecyClass

AUDIT OUTCOME – Recycled Plastics Traceability



Certification Level:
 Level 1 – fulfilled only the core requirements
 Level 2 – fulfilled also optional requirements



List of certified products/families of products

RecyClass **30%**
RECYCLED PLASTIC

Certification Mark for only post-consumer RP

RecyClass **80%**
RECYCLED PLASTIC

*pre-consumer origin

Certification Mark for only pre-consumer RP

RecyClass **95%**
RECYCLED PLASTIC

*30% pre-consumer origin

- + Final logo
- + Logo Design Guidance
- + Quality Management & Procedures document.
- + Use of Claims and Guidance

RecyClass | HOW TO GET A RECYCLASS CERTIFICATION

CONTACT A RECOGNIZED CERTIFICATION BODY



RECYCLED PLASTICS TRACEABILITY

RECYCLING PROCESS

- 1 APPLICATION FORM SUBMISSION**
- 2 APPLICATION ASSESSMENT**
- 3 COMMUNICATION WITH RECYCLASS**
- 4 DOCUMENTATION EXCHANGE AND ASSESSMENT**
- 5 ONSITE AUDIT**
- 6 AUDIT REPORT PREPARATION, REVIEW AND DECISION**
- 7 QUALITY CONTROL**
- 8 CERTIFICATE RELEASE (COMPANY LISTED ON RECYCLASS WEBSITE)**

SPANISH PLASTIC TAX

INFORMACIÓN CLAVE

Aplica los envases no reutilizables que contengan plástico no reciclado.

0.45€/Kg del total de plástico no reciclado que contenga un producto parte del objetivo del impuesto.

DURANTE 2023

Empresas pueden demostrar el uso de material reciclado mediante una declaración auto-responsable para deducir el impuesto.

ENERO 2024

El plástico reciclado deberá ser certificado por una certificación al amparo de la **UNE-EN 15343:2008**.

Las entidades certificadoras deben de estar **acreditadas por ENAC, o el NAB de otro Estado Miembro** o cualquier otro acreditador con quien ENAC tenga un acuerdo.



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CAN RECYCLASS CERT. BE
USED TO DEDUCT THE TAX?

Artículo 77 ([Ley de Residuos](#))

El plástico reciclado deberá ser certificado por una certificación al amparo de la **UNE-EN 15343:2008**.

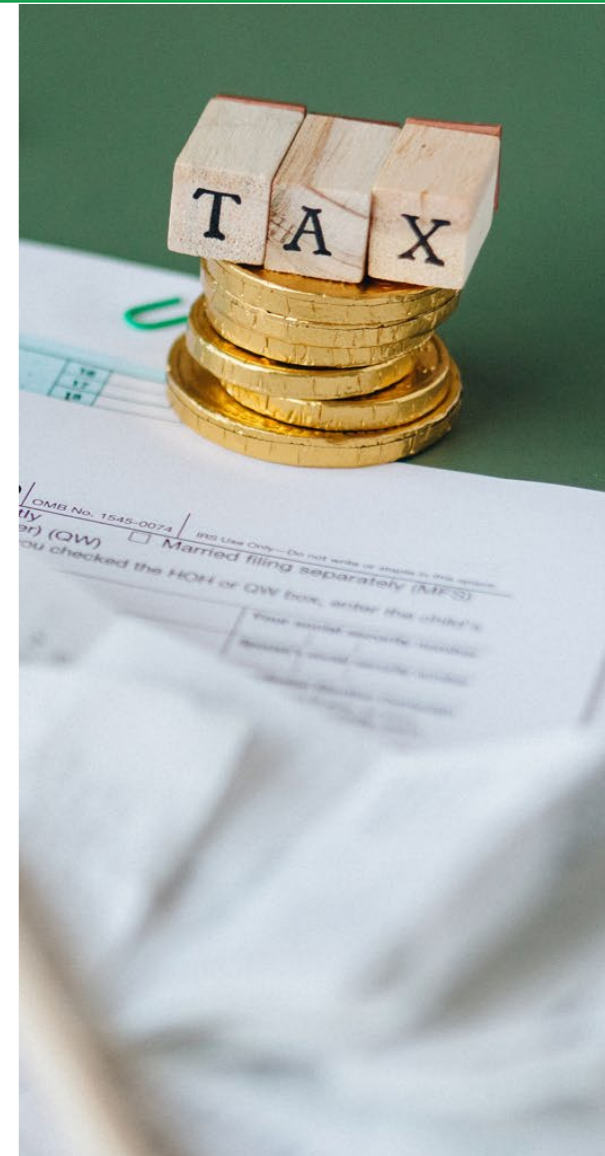
Los CBs deben de estar **acreditados por ENAC, o el NAB de otro Estado Miembro** o cualquier otro acreditador con quien ENAC tenga un acuerdo.

RecyClass is based on the standard EN 15343:2007; identical equivalent to UNE EN 15343:2008.

 Ver parte del contenido de la norma >

Fecha Edición:	2008-04-23 / Vigente
Versión confirmada en fecha:	2017-12-21
ICS:	13.030.50 / Reciclado 83.080.20 / Materiales termoplásticos
CTN:	CTN 53/SC 8 - Reciclado de plásticos
Equivalencias internacionales:	EN 15343:2007 (Idéntico)

The difference in the year refers to adoption of the CEN standard in UNE, the translation to Spanish.



RecyClass

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RecyClass requirements for CB refer to accreditation in line with ISO 17065



RecyClass Recycling Process Certification qualified for accreditation of Certification Bodies in line with ISO 17065

27 Jun 2023



RecyClass Recycled Plastics Traceability Certification ready for accreditation

RecyClass Conformity Assessment Scheme positively evaluated by the European co-operation for Accreditation

14 Feb 2022

With the positive evaluation by the European co-operation for Accreditation (EA)'s, RecyClass Recycled Plastics Traceability Certification becomes the go-to scheme for companies that want to comply with the standard EN 15343:2007 and to stay ahead in the circular transition. The [...]



CERTIFICATE Y UNETE A LA RED DE CIRCULARIDAD DEL PLÁSTICO!



Cumplimiento con la **norma EN 15343** – y por consecuencia los requisitos del impuesto al plástico.



Valor añadido – **Balance de masas** y la **verificación de la plausibilidad** del uso de material reciclado.



Reporting transparente del origen de los residuos y un cálculo de contenido reciclado claro.



Es clave en el sector aumentar la **credibilidad, trazabilidad, transparencia** y la **comunicación!**

RecyClass

A graphic consisting of four thick, light blue curved arrows arranged in a circle, pointing clockwise. The arrows are positioned around the central text, creating a circular flow effect.

RecyClass

PLASTICS FUTURE IS CIRCULAR

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