



## Recycled plastic certification

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# 01 Introduction of Control Union

## **About Control Union**



Control Union is an international certification body with 100 years of history headquartered in the Netherlands, providing global Certification and Verification services through over 140 branches in over 70 countries.

Control Union provide sustainability certification and testing and inspection services in various fields such as food (fisheries/agriculture), textiles, cosmetics, and energy industries.

Based on our professional knowledge and experience, we provide verification (sustainability report, greenhouse gas, etc.) services and cargo, We provide inspection services for facilities and equipment.



**80**+

Countries

274+

Offices & Labs

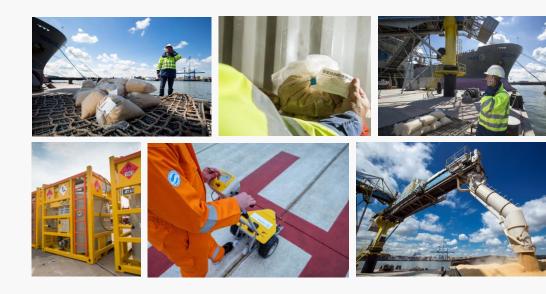
6,000+

Employees

### **Introduction of Control Union**



#### **Inspection & Verification**



#### Inspection Service

- Commodity Inspections
- Industrial Inspections
- Collateral Services
- Vessel Performance Centre









#### Verification Service

- ESG Verification
- GHG Verification
- HIGG INDEX Verification



## **Introduction of Control Union**

Certifications





# 02 Highlights of several recycled plastics certifications

#### **ZERO PLASTICS**





양곡소비량조사 통계청 보도자료 24. 1.26(금)



https://www.greenpeace.org/korea/update/25806/report-disposable-korea-ver2-results/



#### Various sustainability certification programs

#### **Recycled plastics certifications**





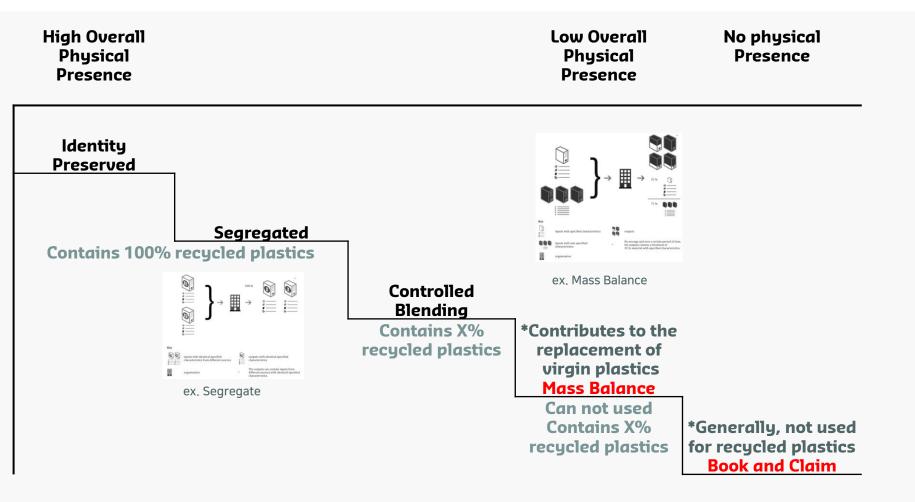
### **Characteristics of each recycled plastic certification**

구분	GRS/ RCS	ISCC	OBP	RecyClass	
Institution	Textile Exchange (2017/ USA )	International Sustainability & Carbon Certification (2010 / Germany)	Zero Plastic Oceans (2020 / France )	RecyClass (2020 / Belgium )	
Logo	Global Recycled Standard	AND THE BROKE OF T	SOCIAL× STORE CONTONE CEAN CONTONE CEAN C	ABCDEF RECYCLABILITY RECYCLABILITY RECYCLABILITY RECYCLABILITY RECYCLABILITY	
feedstocks	폐기물 기반의 재활용 물질	탄소 기반의 <b>Bio</b> 및 재활용 물질 <b>, CCU</b> 재생에너지 파생된 소재 <b>(Power to X)</b>	해양 유입 전 플라스틱 폐기물 <b>(Ocean Bound Plastic)</b>	플라스틱소재	
CoC model	Segregation, Controlled Blending	Segregation, Controlled Blending, Mass Balance	Identity Preserved, Segregation, Mass Balance / CREDITS	Segregation, Controlled Blending	
Traceability	Scope certificate Transaction certificate	Scope certificate Self or Sustainable Declaration	Scope certificate Transaction Declaration	Scope certificate EN 15343 :2007	
Certification	GRS : 인증 20% 이상 / 로고 50% 이상	최소 함량기준 없음	최소 함량기준 없음	<b>Recycled Plastic</b> 사용의무규정	
Use of logo	RCS : 인증 및 로고 5 % 이상	로고 사용 <b>20%</b> 이상	로고 사용 <b>25%</b> 이상	로고 사용 <b>20%</b> 이상	
Characteristic	화학물질사용기준 엄격 <b>( ZDHC</b> 등 준수요구 <b>)</b> 연속생산 시스템 적용 제한	ISCC Plus 산업제품에 적용(플라스틱 등) ISCC EU REDII (EU) 동등성 ISCC CORSIA ICAO 동등성	OBP recycling Certification OBP NEUTRAL Certification (CREDITS 제도 적용 )	Recyclability Recycled Plastic / Recycling Processe (1년 66% , 2년차 75% ,3년차 100%) (add on Modul*non-EU Modul C 의무)	



#### Chain of Custody model

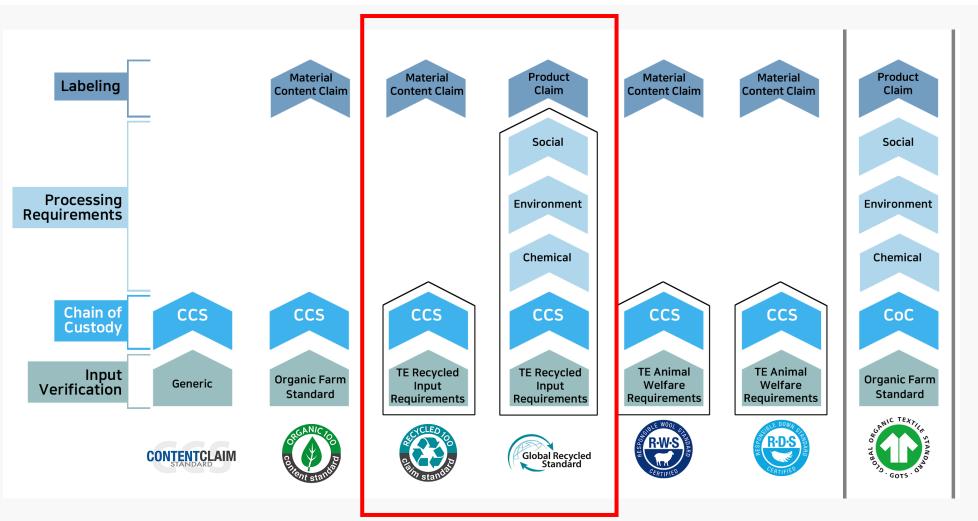
#### ISO 22095:2020





#### **Textile Exchange**

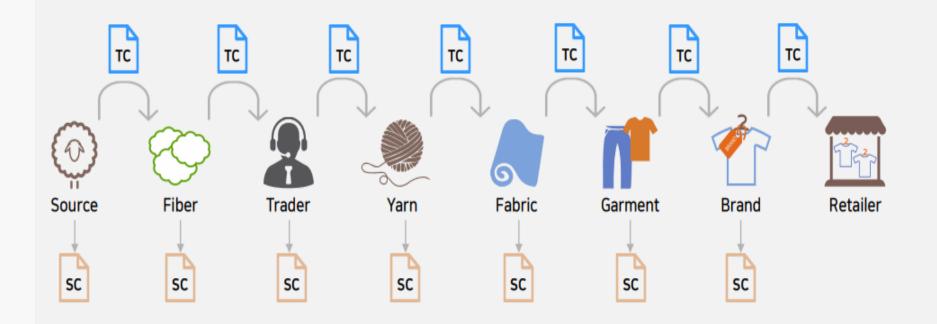
#### **Certification Program**



https://textileexchange.org/

#### **Textile Exchange**

#### **GRS / RCS Certification Program**



## 

※ SC(Scope Certificates)
 인증범위의 공장 혹은 조직이 인증기준에 따라
 생산할 수 있다는 <u>자격 증명서</u>

# X TC(Transaction Certificates) 인증 받은 업체에서 판매된 제품이 인증품임을 증명할 수 있는 <u>거래 증명서</u>

https://textileexchange.org/

#### **International Sustainability & Carbon Certification**



#### **ISCC EU/PLUS/CORSIA Certification Program**



https://www.iscc-system.org/

#### **International Sustainability & Carbon Certification**



#### **Examples of ISCC PLUS certified feedstocks**

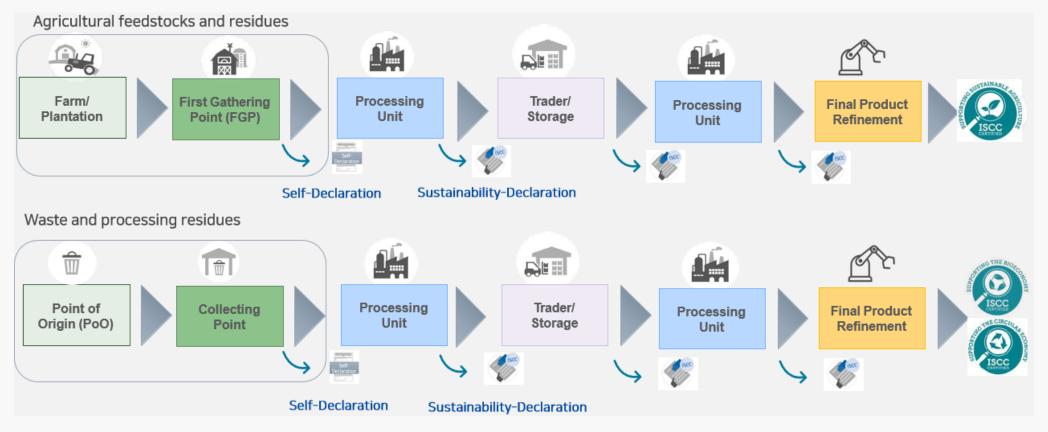


https://www.iscc-system.org/

### International Sustainability & Carbon Certification



#### **ISCC PLUS Certification Program**

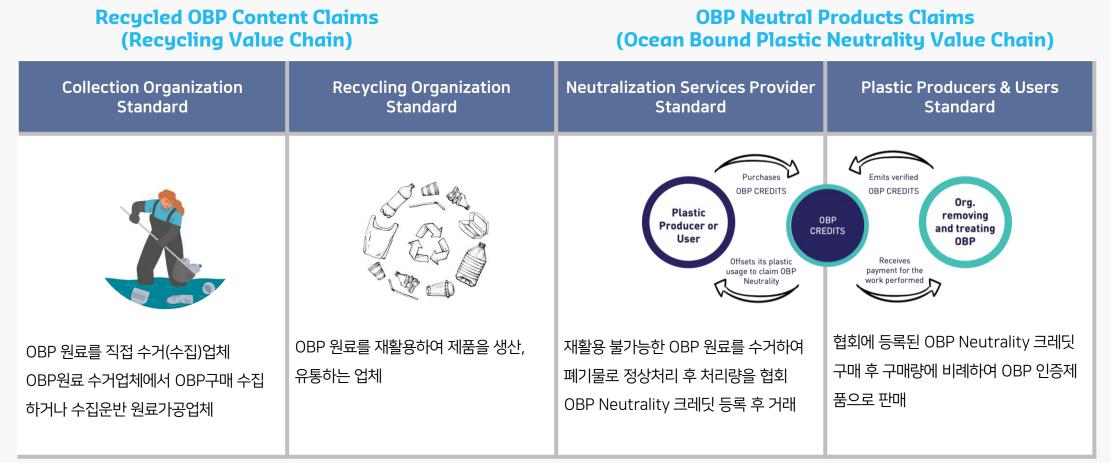


https://www.iscc-system.org/

#### **Zero Plastic Oceans**



#### **OBP recycling Certification program**



https://www.obpcert.org/

#### **Zero Plastic Oceans**



**OBP recycling Certification program** 

**Operations certifiable to the OBP Collection Organization Standard** 



https://www.obpcert.org/

### Zero Plastic Oceans



**OBP neutrality Certification program** 

**Operations certifiable to the OBP Neutralization Services Provider Standard** 

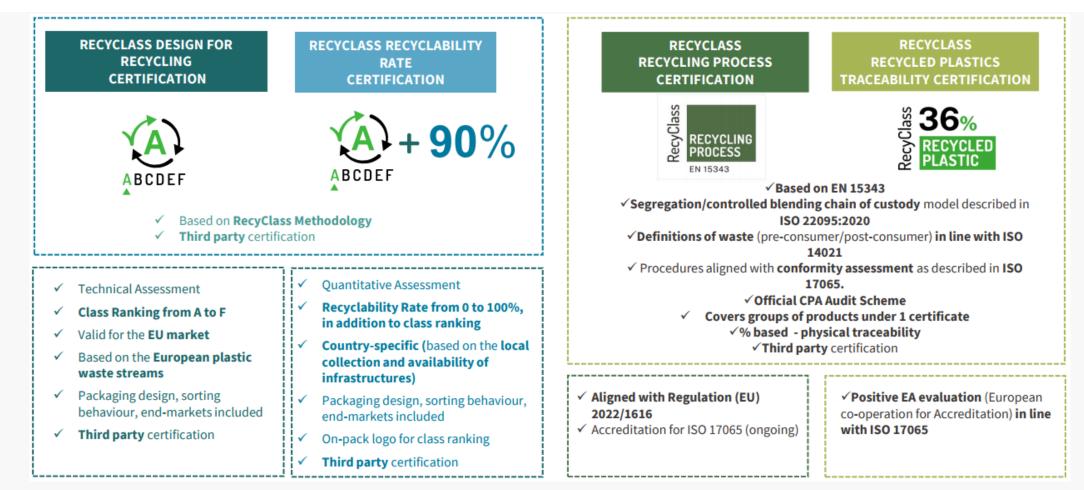


https://www.obpcert.org/



#### **RecyClass**

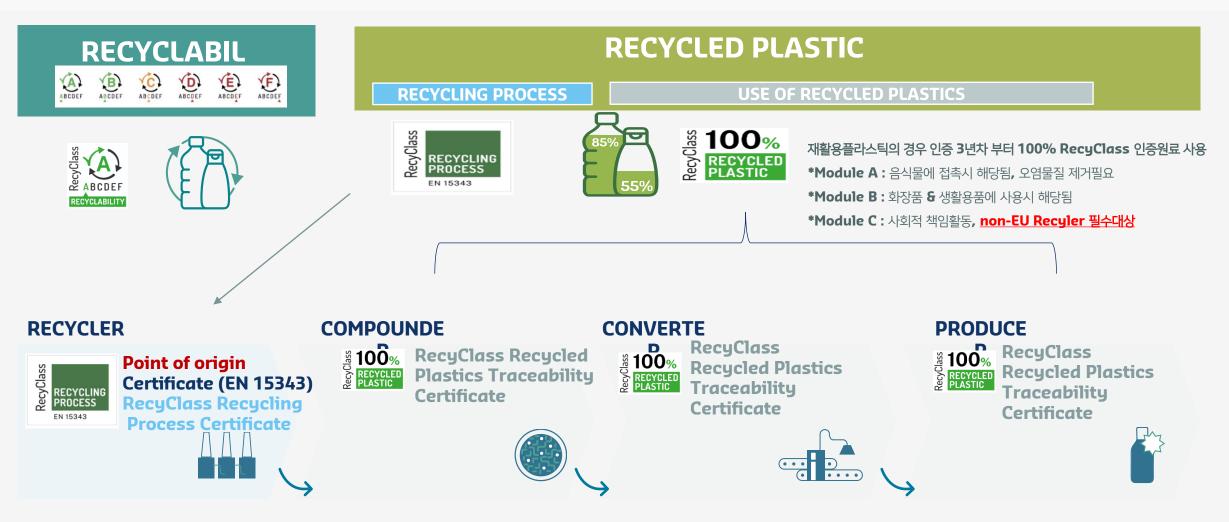
#### **Recyclass Certification Program**



출처 : https://recyclass.eu/

#### RecyClass

#### **Recyclass Certification Program**





https://recyclass.eu/



# 03 Cooperation plan for plastic zero in the Certifications



## **ZERO PLASTICS**

#### **Equivalence Recognition between Countries**

✓ 국립농산물품질관리원 친환경 인증관리 정보시스템		인증신청도우미	인증정보	<del>동등</del> 성인정국가	수출입정보	알림마당	
협정어	] 대해소	상호 동등성인 개합니다	정		ď.	-	
<del>동등</del> 성인정		동등성인정 해매유기가	응식품 상호 동등성인정 협정에!	내해 소개합니다.			
한미 동등성인정	<ul> <li>&gt; 한·미 유기</li> </ul>	가공식품 상호 동등성인정 협정					
한EU <del>동등</del> 성인정		육성 및 유기식품 등의 관리·지원에 관한 법률」제2! 터 발효되었습니다.	5조의 규정에 따라 대한민국:	과 아메리카합중국간 유기가공식	닉품 상호 동등성인정 협	정이 체결되어	
한영국 <del>동등</del> 성인정	> 양국에서 유기	E 인증을 받은 가공식품은 아래 사항을 충족할 경우	2 상대국의 규정에 따른 인증	을 별도로 획득할 필요 없이 "유	기"로 표시하여 수출입	할 수 있습니다.	
한캐 <del>동등</del> 성인정	> 1. 동등성	인정 국가명 : 미국.					
수입유기가공식품조회	> 2. 인정 분	1위					
	나. 다. 3. 동등성	한국(또는 미국)의 규정에 따라 유기인증을 받고, 양 가공식품의 범위는 한국의 식품공전상의 분류기준 유기원료가 95% 이상 함유된 제품 인정의 유효기간 : 별도 협의 시까지 인정의 제한 조건					

https://www.enviagro.go.kr/portal/content/html/import/usa.jsp

## 

#### **ZERO PLASTICS**

#### Certification standards recognized by EU regulations



#### **Certification Scheme: ISCC EU**

#### ISCC EU has been fully recognised by the European Commission since 2011. With ISCC EU certification the compliance with the legal requirements for the sustainability and greenhouse gas (GHG) emissions savings criteria for sustainable fuels and the production of electricity, heating and cooling from biomass set out in the renewable Energy Directive (REDII) for all Member States of the European Union can be verified. ISCC EU certification covers the raw materials and fuels as stated in the RED II:

- Agricultural and forest biomass, waste and residues (including agricultural, aquaculture, fisheries and forestry residues), lignocellulosic and non-food cellulosic materials for the production of biofuels, bioliquids and biomass fuels, including advanced biofuels and biogas for transport (i.e. biofuels and biogas produced from feedstocks listed in Part A of Annex IX of the RED II) and biofuels, bioliquids and biomass fuels with a low risk or a high risk of indirect land-use change (iLUC).
- > Liquid and solid waste streams of non-renewable origin or waste processing and exhaust gas of nonrenewable origin for the production of recycled carbon fuels.
- Energy derived from renewable sources other than biomass for the production of renewable liquid and gaseous transport fuels of nonbiological origin.

ISCC certification goes beyond the legal requirements of the RED II as it covers additional ecological and social requirements.

출처 : https://www.iscc-system.@	org/	
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Certification

- ISCC EU

- ISCC PLUS

- ISCC CORSIA

- ISCC Japan FIT

**ISCC Certification Schemes** 

- ISCC Credit Transfer System

- ISCC Voluntary Add-ons

**Certification Process** 

Certificate Database

**Certification Bodies** 

Chain of Custody

- Acceptance of Other Schemes

- ISCC Carbon Footprint Certification

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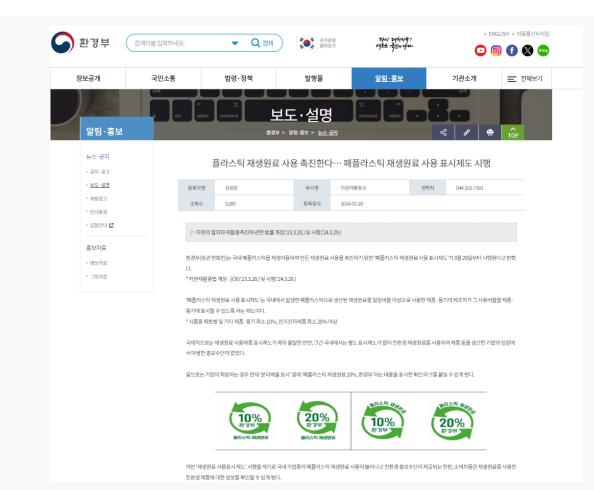
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#### 출처 : https://recyclass.eu/

#### **ZERO PLASTICS**

#### **Cases in Korea**



CONTROLUNION

#### 붙임 폐플라스틱 재생원료 사용 표시제도 개요

#### □ 도입 취지 및 배경

- 친환경 제품에 대한 국내 기업의 생산이 점차 확대되고, 소비자의 관심이 높아짐에 따라,
- 시장에서의 홍보수단 제공 및 친환경 소비를 유도하기 위해 "폐 플라스틱 재생원료 사용비율 표시제" 도입('24.3.29. 시행)

#### 🗆 제도 주요내용

① 친환경 소비 유도를 위한 정확한 정보제공 기능

(최소비율) 식품용 PET병 및 기타 제품·용기 10%, 전기·전자 제품 20%
 ※ 표시 도안내 사용비율은 5% 단위로 표기



- ② 기업 자율 선택사항으로 추가 부담 최소화
- 친환경 마케팅, ESG 경영요구 확산 등에 따라 기업 필요 시 재생 원료 사용비율을 제품에 표시가 가능하도록 제도 마련
- ③ 해외 재생원료 사용실적 인증체계를 활용하여 호환 연계
- 해외 재생원료 사용실적을 국제기관에서 인증받은 경우 확인과정에서 증빙자료로 활용 가능
- ※ 중장기적으로 국내 '재생원료 사용 확인'과 '해외 재생원료 인증체계' 상호 연계 추진



#### 환경부 보도자료 자원의 절약과 재활용 촉진에 관한 법률 개정 23. 3.28



## **Cooperation plan for plastic zero in the Certifications**





## **Contact Us**

mckorea@controlunion.com 02-2281-9200

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