



Bu proje Avrupa Birliđi ve Türkiye Cumhuriyeti tarafından finanse edilmektedir.

Türkiye'nin Döngüsel Ekonomiye Geçiş Potansiyelinin Deđerlendirilmesi için Teknik Destek Projesi

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Sürdürülebilir/Döngüsel Standartlar ve Sertifikasyon

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Faaliyet 1.2.2 - Döngüsel Ekonomi Çalıştayları
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Nerede kalmıştık?

DAHA SÜRDÜRÜLEBİLİR GİRDİLER

DAHA UZUN ÖMÜRLÜ ÜRÜNLER

PAYLAŞIM

HİZMET OLARAK ÜRÜN

YAŞAM SONU DEĞERLENDİRME: *Azaltım, Yeniden Kullanım, Geri Dönüşüm*

“Döngüsellığı” nasıl değerlendirebilir ve/veya tanımlayabiliriz?

Standartlar

Sertifikasyon

“Standart” Nedir?

“Standart, konu uzmanlarının fikir birliđi ile oluşturulan ve **malzemelerin, ürünlerin, süreçlerin, hizmetlerin, sistemlerin veya kişilerin** tasarımı, kullanımı veya performansı hakkında **rehberlik** sağlayan tanınmış bir kuruluş tarafından onaylanan bir belgedir”

- Uluslararası Standart Organizasyonu -

Standartlar şunları sağlar:

Kalite

Emniyet

Yeterlilik

Döngüsel Ekonomide “Standartlar”



ISO/TC 323 Döngüsel Ekonomi

Sürdürülebilir Kalkınmaya katkısı en üst düzeye çıkarmak için ilgili tüm kuruluşların faaliyetlerinin uygulanması için çerçeveler, rehberlik, destekleyici araçlar ve gereklilikler geliştirme kapsamında, Döngüsel Ekonomi alanındaki standardizasyon

ISO/CD 59004

Döngüsel Ekonomi – Uygulama için Terminoloji, İlkeler ve Rehberlik

ISO/CD 59020

Döngüsel Ekonomi – İş modelleri ve değer ağlarının geçişi hakkında rehberlik

ISO/CD 59020

Döngüsel Ekonomi – Döngüselligi ölçme ve değerlendirme

ISO/CD 59020

Döngüsel Ekonomi – Performansa dayalı yaklaşım – Örnek olay incelemelerinin analizi

ISO/TR 59031

Döngüsel Ekonomi – İş modeli uygulamasının gözden geçirilmesi

ISO/TR 59031

Döngüsel Ekonomi – Ürün Döngüsellik Bilgi Formu

“Sertifikasyon” Nedir?

Sertifikasyon, ürünün, hizmetin veya sistemin belirli gereklilikleri karşıladığına dair tanınmış **bağımsız bir kuruluş tarafından** verilen bir belgedir.

Bir Sertifikasyon **şirkete** şunları sağlar:

- harici bir denetim ve kontrol kaynağı
- verimliliği artırmak için dahili bir araç
- rekabete karşı koruma
- mükemmel bir pazarlama aracı

Bir Sertifikasyon, **alıcıya** şunları sağlar:






- şirketin zaten en iyi standardı uyguladığına dair bir garanti
- güvenlik ve güvenilirlik için bir güvence

“Sürdürülebilir Sertifikasyon” Nedir?







Sürdürülebilir sertifika, tanınmış **bağımsız bir kuruluş tarafından** ürünün, hizmetin veya sistemin **belirli gereklilikleri karşıladığını** gösteren ve şirketin iyi çevresel, sosyal, etik ve gıda güvenliği uygulamalarına bağlı olduğunu kanıtlar nitelikte bir belgedir.

Bugüne kadar, her biri özel olarak bir endüstri veya iş sektörü ile ilgili yüzlerce sürdürülebilir sertifika bulunmaktadır.

Tekstil Sektöründe “Sürdürülebilir Sertifikasyon” – 1/3

SERTİFİKASYON	UYGULAMA	KAPSAMINDAKİ ÜRÜNLER	GEREKLİLİKLER
	<p>Organic fibres throughout the supply chain, from on-farm production, through all processing steps, to labelling of the final textile product.</p>	<p>GOTS covers textile products throughout the textile supply chain, including fibres, yarns, garments and personal care products. There are two label categories – products with 95%+ organic fibres can be labeled as organic, and products with 70-95% organic can be labeled as ‘made with x% organic materials’</p>	<p>Products must meet all the standards throughout the entire supply chain to be certified to GOTS. GOTS covers the entire processing chain, including manufacturing, dyeing, weaving, knitting, CMT, finishing, packaging, labeling, distribution and wholesale. Includes environmental requirements, specifies prohibited chemicals, sets social conditions, prohibits genetic modification, protects worker safety and sets chemical residue limits. The GOTS logo may only be used if the entire textile value chain is covered by the certification system. Companies trading in GOTS certified products must be certified and inspected by an approved certification body. www.global-standard.org</p>
	<p>The STANDARD 100 by OEKO-TEX® is a comprehensive, third-party testing and certification system for textile products. To ensure consumer safety, the textiles can only be certified if all components meet the specified requirements.</p>	<p>The STANDARD 100 by OEKO-TEX® label can be awarded to textile raw materials, intermediate products and end products at all stages of production, including textile accessories, dyes and textile auxiliaries.</p>	<p>Every stage of production of raw materials, intermediate products and end products is measured against required criteria. The products are allocated to one of four product classes based on how intensively they will come into contact with the skin. Testing parameters include banning lawfully prohibited, regulated and harmful substances, and ensuring colourfastness and a skin-friendly pH-value to safeguard consumer health. Test criteria are updated annually and go beyond existing legal regulations</p>
	<p>MADE IN GREEN by OEKO-TEX® is an independent textile label for highlighting consumer products and semi-finished products at all levels of the textile chain that are made from materials tested for harmful substances and that have been manufactured by using environmentally friendly processes and under safe and socially responsible working conditions</p>	<p>The MADE IN GREEN by OEKO-TEX® Certification is possible for production facilities of all processing stages from fibre production, spinning mills, weaving mills, knitting mills to finishing facilities and manufacturers of ready-made textile items. Any finished textile items and semi-finished products at all levels of the textile supply chain can be granted the MADE IN GREEN by OEKO-TEX® label, including all kinds of items of clothing and furnishings</p>	<p>There are six STeP core modules that are individually evaluated during the STeP certification on the basis of scoring: management of chemicals, environmental performance, environmental management, occupational health and safety, social responsibility and quality management. The overall scoring for a production facility then results from the average of all module scores. Companies must hold the STANDARD 100 by OEKO-TEX® and STeP by OEKO-TEX® certifications in order to get a MADE IN GREEN by OEKO-TEX®, in accordance with the OEKO-TEX® guidelines.</p>
	<p>The LEATHER STANDARD by OEKO-TEX® is a worldwide consistent, independent testing and certification system for leather and leather articles of all levels of production. Harmful chemicals used in leather and leather articles at all levels of production, including those that are legal and / or not yet regulated, lead use, and numerous environmentally relevant substance classes</p>	<p>Examples of articles that can be certified by the LEATHER STANDARD by OEKO-TEX® are: semifinished leather products (e.g. Wet-blue, Wet-white, Crust etc.), finished leather, leather fiber material, ready made articles (garments of all types, accessories, leather gloves, leather handbags, leather covers and much more). Some furs apply. There are 4 product classes, for more detail visit www.oeko-tex.com.</p>	<p>The precondition for the certification is that all parts of an article must meet the required criteria in addition to the leather (e.g. textile fabrics, sewing threads, prints, labels etc. as well as non-textile accessories, such as buttons, zip fasteners, rivets etc.). For leather materials, the conditions and criteria of the latest valid LEATHER STANDARD by OEKO-TEX® are applied; for non-leather components contained (e.g. textiles, metallic accessories etc.) the requirements of the latest valid STANDARD 100 by OEKO-TEX® have to be fulfilled. After the application and provision of a test sample, an OEKO-TEX® member institute conducts a laboratory test on articles (article groups) based on the OEKO-TEX® criteria catalogue</p>
	<p>DETOX TO ZERO checks the status of a manufacturer’s chemical management systems, completes a full chemical inventory for the DETOX TO ZERO Manufacturing Restricted Substance List (MRSL), and checks the quality of their waste water and sludge</p>	<p>DETOX TO ZERO by OEKO-TEX® addresses chemical / environmental performance in textile production processes such as:</p> <ul style="list-style-type: none"> • Wet spinning, twisting and related processes • Dyeing, printing, finishing, coating and related • Manufacturing of accessories (e.g. zippers, buttons, labels) • Others (e.g. non-agricultural fibre production) 	<p>There are 12 priority groups of chemicals that are the focus of DETOX TO ZERO’s MRSL Annex A, which form the basis for chemicals, wastewater and sludge testing. Documents required include: a full chemical management system or policy, inventory of SDS chemicals, wastewater and sludge test report, chemical and environmental hazard emergency plans, staff safety training records, site plan, and license / permits of discharge waste.</p>

“Tekstil Sektöründe “Sürdürülebilir Sertifikasyon” – 2/3

SERTİFİKASYON	UYGULAMA	KAPSAMINDAKİ ÜRÜNLER	GEREKLİLİKLER
	The Global Recycled Standard (GRS) covers the use of recycled materials in any product	The standard may be used with any product that contains at least 20% recycled material, but only products with at least 50% recycled (pre-consumer and / or post-consumer recycled material) may use the GRS logo on consumer facing products.	Information is collected from Material Collectors and Concentrators. Facilities involved in Material Recycling and supply chain members must meet the full requirements of the standard. The standard includes verification that the material are in fact recycled and tracks the material through production. Facilities involved in production must also meet social and environmental requirements. Chemicals identified as toxic are not permitted to be used in the production of GRS products
	The Blue Angel is the first and oldest environment-related label for products and services in the world. It focuses on health and safety and environmental impact according to product group	It certifies the best possible ecological properties of products (except for foods) and services. The Blue Angel is awarded to products distinguishing themselves by greater environmental friendliness than other products serving the same purpose	The Blue Angel sets standards for product control, transparency of product selection, safe purchasing, and health and safety. The award of the Blue Angel is preceded by a review of the entire life cycle of the products. The level of environmental benefit always depends on the comparative product and, of course, on the use of the product. The Basic Award Criteria for a product are specified for each product group
	The bluesign® system is based on the holistic approach of Input Stream Management. It reduces the impact on people and on the environment, ensures responsible use of resources and guarantees the highest level of consumer safety	Assessments of factories, chemicals, textile and accessory components along the entire value chain as well as consumer products.	A bluesign® system partner has to fulfill the most stringent criteria regarding protection of environment and peoples as well as commit to a continuous improvement of the sustainability performance: <ul style="list-style-type: none"> • Consumer safety • Occupational health and safety • Water emission • Soil • Air emission • Waste • Resource productivity • Chemicals management
	A multi-attribute standard, C2C certifies products made with materials that are safe for humans and the environment, designed for reutilisation (e.g. recycling or composting), and manufactured using renewable energy, water stewardship and social fairness. Materials are designed for reuse in biological or technological sectors	Materials, sub-assemblies and finished products. A product receives an achievement level in each category — Basic, Bronze, Silver, Gold, or Platinum — with the lowest achievement level representing the product’s overall mark	Products must be optimized over time to reach higher levels of certification and become ideal C2C products. All materials in a finished product and their chemical ingredients must be identified, then scored on their impact on human and environmental health, and recyclability. Materials are scored on their ability to be reused in biological or technological cycles. The product manufacturing process is evaluated for water effluent, air emissions, energy consumption, worker safety, consumer safety, social criteria, RSL/chemical residues, responsible water use
	The Organic Content Standard (OCS) covers the use of certified organically grown materials in any product, including organic raw materials, genetic modification.	The 100 logo may be used for products with at least 95% organically grown material, as long as the remaining percentage is not the same type of material. The Blended logo may be used for products containing at least 5 per cent organically grown material. The remaining percentage may be the same variety of material	Tracks and documents the purchase, handling and use of certified organically grown material in any product, but does not cover production processes. Products meeting the OCS and containing 95 – 100 (5-95 on blended)per cent organically grown material should be labeled as: ‘Contains organically grown [raw material]’ or ‘contains 100% organically grown [raw material]’ as long as the product does not also contain conventional ingredients of the same raw material.
			

Tekstil Sektöründe “Sürdürülebilir Sertifikasyon” – 3/3

SERTİFİKASYON	UYGULAMA	KAPSAMINDAKİ ÜRÜNLER	GEREKLİLİKLER
	<p>The Recycled Claim Standard (RCS) covers the use of recycled materials in any product. The standard includes verification that the material is in fact recycled and tracks the material through production.</p>	<p>The 100 logo may be used for products containing at least 95% recycled material, as long as the remaining percentage is not the same type of material. The Blended logo may be used for products containing 5-95% recycled materials</p>	<p>Verifies that reclaimed material would have otherwise entered the waste stream. Tracks and documents the purchase, handling and use of recycled material in any product, but does not cover production processes. Products meeting the RCS and containing 95-100% (5-95% blended) of recycled material should be labeled as: ‘Contains X% recycled [raw material]’ ‘contains 100% recycled [raw material]’ as long as the product does not also contain virgin ingredients of the same raw material</p>
			
	<p>The EU Ecolabel identifies products as having a reduced environmental impact throughout their life cycle, from the extraction of raw material through to production, use and disposal. The Certification is recognised throughout Europe</p>	<p>The EU Ecolabel covers a wide range of product groups, including materials and manufacturing. Key experts, in consultation with main stakeholders, develop the criteria for each product group in order to decrease the main environmental impacts over the entire life cycle of the product. Because the life cycle of every product and service is different, the criteria are tailored to address the unique characteristics of each product type</p>	<p>Every four years on average, the criteria are revised to reflect technical innovation such as evolution of materials, production processes or in emission reduction and changes in the market. To qualify for the EU Ecolabel, products have to comply with a tough set of criteria. These environmental criteria take the whole product life cycle into account - from the extraction of the raw materials, production, packaging transport, right through to end use and recycling. This life cycle approach guarantees that the products’ main environmental impacts are reduced</p>
	<p>Fairtrade Textile Standard aims to include the workers who manufacture textiles by facilitating best practices in the textile supply chains so workers can enjoy secure and sustainable livelihoods. It is also a processing standard for Fairtrade cotton and other sustainable fibre</p>	<p>The Fairtrade Textile Standard guidelines apply to all certified operators in the textile supply chain, regardless of the product a company wants to certify. They also apply to the companies or brands that manufacture the products using certified supply chains. Licence Agreements engage brands and companies selling the final products to pay a fair price and agree to fair terms</p>	<p>Living wages must be paid within a set time period of six years and brand owners are contractually responsible for fair and long-term purchasing practices. All supply chain actors including brands need to establish fair, reliable and predictable contract arrangements for the improvement of workers’ conditions. Applicable in only countries where Freedom of Association is possible. The standard is open to other responsible fibres, in addition to Fairtrade cotton, as determined by the Fairtrade Responsible Fibre Criteria. All subcontractors must be registered and agree to audits.</p>
	<p>This symbol indicates that a product or package is USDA Certified Biobased. The biobased contents of these products/ packages are third-party tested at independent laboratories.</p>	<p>Biobased products are derived from plants and other renewable agricultural, marine, and forestry materials and provide an alternative to conventional petroleum derived products. Biobased products include diverse categories such as lubricants, cleaning products, inks, fertilizers, and bioplastics. For purposes of the BioPreferred program, biobased products do not include food, animal feed, or fuel.</p>	<p>A business with a biobased product that meets USDA criteria may apply for certification, allowing them to display the USDA Certified Biobased Product label on the product. This label assures a consumer that the product contains a verified amount of renewable biological ingredients (referred to as biobased content). Consumers can trust the label to mean what it says because manufacturer’s claims concerning the biobased content are third-party certified and strictly monitored by USDA</p>



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İlginiz İçin Teşekkürler.



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