

Raw materials for biomass

Why standards for biobased products?

Bio-based products are products that are partly or wholly made of biobased components. Compared to fossil based products (having ingredients such as oil), innovative bio-based products are still a 'niche' sector. They make up a relatively small share of the market, while their potential contribution to solving climate problems (e.g. reduce carbon emissions, renewable sources) is substantial. Therefore, bio-based products need to be given greater visibility and have their potential benefits explained. All of this, in a uniform way (e.g. labelling, certification, standards).

Bio-based content determination

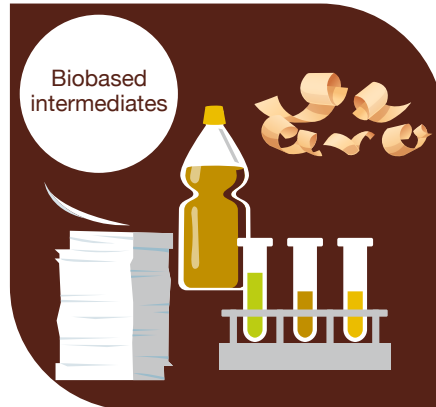
- EN 16785-1: Bio-based products Bio-based content - Part 1: Determination of the bio-based content using the radiocarbon analysis and elemental analysis
- EN 16785-2: Bio-based product Bio-based content - Part 2: Determination of the bio-based content using the material balance method
- EN 16640: Bio-based products Determination of the bio-based carbon content of products using the radiocarbon method
- CEN/TR 16721: Bio-based products Overview of methods to determine the bio-based content
- EN 17351:2020: Bio-based products Determination of the oxygen content using an elemental analyser



Sustainability

- EN 16760: Bio-based products Life Cycle Assessment
- EN 16751: Bio-based products Sustainability criteria
- CEN/TR 16957: Bio-based products Guidelines for Life Cycle Inventory (LCI) for the End-of-life phase
- CEN/TR 17341: Bio-based products Examples of reporting on sustainability criteria

The European Commission focusses on bio-based products, describing methods for biobased content determination, requirements for sustainability assessment and how to communicate about them in the value chain. By using these standards, producers can present and promote their biobased products in the same understandable way.



Biobased intermediates



Biobased end products



Terminology

- EN 16575: 'Bio-based products - Vocabulary'

Communication

- EN 16848: 'Bio-based products - Template for B2B reporting and communication of characteristics - Data sheet'
- EN 16935: 'Bio-based products - Business-to-Consumer communication and claims'

Bio-based solvents

- EN 16766: 'Bio-based products - Bio-based solvents - Requirements test methods'



These biobased standards were developed at the request of the European Commission.