



BSI Standards Publication

## Algae and algae products — Specifications for cosmetic sector applications

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## National foreword

This Published Document is the UK implementation of CEN/TR 17611:2021.

The UK participation in its preparation was entrusted to Technical Committee EH/3/-/5, Algae and Algae Products.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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TECHNICAL REPORT

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English Version

## Algae and algae products - Specifications for cosmetic sector applications

Algues et produits d'algues - Spécifications pour les applications dans le secteur de la cosmétique

Algen und Algenprodukte - Spezifikationen für Anwendungen im Kosmetikbereich

This Technical Report was approved by CEN on 4 January 2021. It has been drawn up by the Technical Committee CEN/TC 454.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
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## **European foreword**

This document (CEN/TR 17611:2021) has been prepared by Technical Committee CEN/TC 454 "Algae and algae products", the secretariat of which is held by NEN.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

The European committee for Standardization (CEN) was requested by the European Commission (EC) to draft European standards or European standardization deliverables to support the implementation of Article 3 of Directive 2009/28/EC for algae and algae products or intermediates. The request presented as Mandate M/547, also contributes to the Communication on "Innovating for Sustainable Growth: A Bio economy for Europe".

The former working group CEN Technical Board Working Group 218 "Algae" was created in 2016 to develop a work programme as part of the Mandate. The technical committee CEN/TC 454 "Algae and algae products" was established to carry out the work program the secretariat of which is held by NEN. CEN/TC 454 set up a number of topic specific working Groups listed below to develop standards for algae and algae products.

This document has been prepared by Working Group 5 "Specifications for non-food/feed sector applications" with the support of UNI as the secretariat, in close collaboration with the other CEN/TC 454 working groups:

CEN/TC 454/WG 1 "Terminology";

CEN/TC 454/WG 2 "Identification";

CEN/TC 454/WG 3 "Productivity";

CEN/TC 454/WG 4 "Specifications for food/feed sectors applications";

CEN/TC 454/WG 6 "Product test methods".

## **Introduction**

The interest in algae and algae-based products or intermediates as a renewable and sustainable source of carbohydrates, proteins, lipids and pigments has increased significantly in Europe.

The purpose of this document prepared by WG 5 is to provide an overview on how quality indicating parameters for algae and algae-based products and intermediates relevant for cosmetic applications can be handled and to identify the need for any future standard developments for cosmetic applications.

Macroalgae are highly available and used in many Countries as fertiliser, biostimulant, animal feed, medicine, cosmetic and food ingredients, and have different compounds depending on species.

## 1 Scope

This document gives an overview of recommendations on product specifications, and other relevant information, for algae and algae products for cosmetics industry.

This document does not apply to food and feed applications.

This document does not provide instructions on handling of technical requirements in existing legislations.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 16751, *Bio-based products - Sustainability criteria*

EN 16760, *Bio-based products - Life Cycle Assessment*

EN 16848, *Bio-based products - Requirements for Business to Business communication of characteristics using a Data Sheet*

EN 16935, *Bio-based products - Requirements for Business-to-Consumer communication and claims*

EN 17399, *Algae and algae products - Terms and definitions*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 17399 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

### 3.1

#### **algae and algae products**

functional group of organisms consisting of microalgae, macroalgae, cyanobacteria, labyrinthulomycetes and products derived thereof

### 3.2

#### **Raw Material Specification**

##### **RMS**

several pages technical dossier about the product, usually prepared by manufacturer, directed to provide all product approval information to the customer and usually attached to commercial contract

Note 1 to entry: Models of RMS for some algae categories are attached as Annex B.