

Edible seaweed and microalgae - Regulatory status in France and Europe 2026 update

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1. Status of edible algae in France

a. Food-grade algae

In France, food status of algae was already considered before the Novel Food regulation came into force. History of consumption to a significant degree and several assessments by the Conseil Supérieur d'Hygiène Publique de France led to the establishment of a list of algae acceptable for human consumption (CSHPF 01/1990, 02/1992, 10/1997; DGCCRF 04/2009).

The marine microalga *Odontella aurita* also received a positive opinion from EFSA regarding its use as a food ingredient (condiment in finished products) and was authorized on the basis of its substantial equivalence with other authorized edible seaweed under regulation (CE) n° 258/97 (AFSSA 2002; DGCCRF 04/2009).

In total, 25 algae species of which 3 microalgae, were listed as food (vegetables or condiments). It shall be noted that several of the listed species have undergone taxonomic revisions since the publication of the opinions.

Assessments are currently carried out at European level, and the updated list of valid taxa is included in the summary tables at the end of this document.

Table 1 : Algae historically listed for food consumption in France

Scientific name	Common name
<ul style="list-style-type: none"> • Brown seaweed - <i>Ascophyllum nodosum</i> - <i>Fucus vesiculosus</i> - <i>Fucus serratus</i> - <i>Himanthalia elongata</i> - <i>Undaria pinnatifida</i> - <i>Laminaria digitata</i> - <i>Laminaria saccharina</i> - <i>Laminaria japonica</i> - <i>Alaria esculenta</i> 	<ul style="list-style-type: none"> Sea Spaghetti Wakame Kombu Royal Kombu Kombu Atlantic wakame
<ul style="list-style-type: none"> • Red seaweed - <i>Palmaria palmata</i> - <i>Porphyra umbilicalis</i> - <i>Porphyra tenera</i> - <i>Porphyra yezoensis</i> - <i>Porphyra dioica</i> - <i>Porphyra purpurea</i> - <i>Porphyra laciniata</i> - <i>Porphyra leucostica</i> - <i>Chondrus crispus</i> - <i>Gracilaria verrucosa</i> - <i>Lithothamnium calcareum</i> 	<ul style="list-style-type: none"> Dulse Nori " " " " " " Pioca, lichen Ogonori Mäerl
<ul style="list-style-type: none"> • Green seaweed - <i>Ulva sp.</i> - <i>Enteromorpha sp.</i> 	<ul style="list-style-type: none"> Sea lettuce Aonori
<ul style="list-style-type: none"> • Microalgae - <i>Spirulina</i> - <i>Odontella aurita</i> - <i>Chlorella sp.</i> 	



b. Food supplements

For food supplements, the ministerial order of June 24th 2014, known as « Arrêté Plantes » established a list of plants and mushrooms which were allowed in food supplements, as well as their conditions of use. It includes a number of algae (JORF 06/2014). Some listed algae were not present in the list of food-grade species mentioned previously.

In January 2019, French DGCCRF (General Directorate for Competition Policy, Consumer Affairs and Fraud Control) published a list of over 50 algae species which could be used in food supplements, on the basis of their traditional consumption or their authorization under the Mutual Recognition Principle as outlined in Article 16 of the Food supplements Decree n°2006-352 (JORF 05/2006; DGCCRF 2019b). Specific sanitary recommendations were also included for some of them (DGCCRF 2019a).

However, this list is now obsolete following the European Commission's recent work to update the status of novel foods and their use in foodstuffs or, more restrictively, solely as food supplements (see the following chapter).

Assessments are currently carried out at European level, and the updated list containing the valid taxa is included in the summary tables at the end of this document.

It should be noted, however, that the registration of food supplements intended for the French market is carried out via the Compl'Alim platform. This platform offers features designed to simplify the registration process for food supplements and provide access to regulatory information regarding the ingredients contained in food supplements.



2. Status of edible algae in Europe

There is no harmonized seaweed/algae regulation in Europe. The suitability of an algae for human food consumption is governed by the so-called “Novel Food” Regulation (Regulation (UE) 2015/2283), which applies to food and ingredients which were not consumed to a significant degree in Europe before May 15th 1997 (European Commission 11/2015)

a. Not « novel food » algae

The European Novel Food Catalogue, whilst not intended to be exhaustive, lists products of animal and plant origin and other substances, whose history of consumption and status with regards to the Novel Food Regulation, were evaluated by EU Member States.

- The status of ingredients listed in this catalogue may be “not Novel”, with details of their use in foods or food supplements.
- Some ingredients are marked “Novel Food”, indicating that their use requires the submission of a full Novel Food dossier.
- The ingredients “Authorized Novel Food” have been the subject of a validated dossier. However, EU countries may still restrict the marketing of a product through specific legislation. For information, businesses should contact their national authorities.

Algae with “not novel” status are listed in the tables at the end of this document. This information is published by the European Union in the ‘Novel Food Status Catalogue’, which is now updated on an ongoing basis (European Commission 2025a). It is also possible to access [the latest updates to the catalogue](#) specifically (nearly a hundred in 2025).

Food business operators, which are unsure whether a food is novel, can consult the competent authorities of the EU country where they first intend to place the food on the market in accordance with the procedure set out in Article 4 of Regulation (EC) 2015/2283. Applications have been made for algae and algae-based ingredients since 2019. The full list of these consultations can be [viewed online](#).

Thus the “not Novel” status was notified for the various species of *Chlorella* or microalgae considered as *Chlorella* when they were placed on the market: *Chlorella* sp. (*Auxenochlorella pyrenoidosa*, *Chlorella sorokiniana*, *Chlorella vulgaris*, *Jaagichlorella luteoviridis*, *Parachlorella kessleri*, *Auxenochlorella protothecoides*) (Czech Republic, Ministry of Agriculture, Food Safety Department 2022).

This is also the case for the microalgae *Coelastrella vacuolata* (formerly known as *Scenedesmus vacuolatus*), for which a history of consumption in Europe prior to 1997 has been demonstrated and which therefore qualifies as ‘not Novel’ (Czech Republic, Ministry of Agriculture, Food Safety Department 2024a). However, other species of *Scenedesmus* sp. have not been able to demonstrate a history of consumption (Czech Republic, Ministry of Agriculture, Food Safety Department 2024b).

More recent updates to this list have also been implemented to incorporate taxonomic changes or species equivalence.



b. Algae that underwent a Novel Food assessment procedure

When algae are authorised as a novel food, they may be authorised as food ingredients or restricted to use in food supplements. They must also meet the specifications (purity, composition, contaminants, etc.) set out in the dossier submitted. Inclusion on the Union list (European Commission 2017) includes the conditions of use and labelling requirements set out in the annexes to the regulations.

Table 2 : Algae authorized as Novel Food

Species	Authorization as “Novel Food”
<i>Odontella aurita</i>	The use of the microalga <i>Odontella aurita</i> as condiment in finished products was authorized on the basis of its substantial equivalence with edible seaweed according to Regulation (CE) n° 258/97. It is also limited to certain categories of food products (flavoured pasta, fish soups, seafood terrines, court-bouillon mixes, crackers, frozen breaded fish).
<i>Tetraselmis chuii</i>	An authorization to commercialize it in sauces, special salts and condiments was notified to the company Fitoplancton Marino S.L. in March 2014 (AECOSAN 2014). This authorization was then subject to an extension of use in the field of food supplements in 2017 (AECOSAN 2017). The company Green Sea Bio System One S.L. also recently submitted a request to the EC to extend the product specifications (NF 2019/1062 (EFSA 2019).
<i>Euglena gracilis</i>	The microalgae <i>Euglena gracilis</i> was the subject of an application by Kemin Foods L.C. based on proprietary data. In December 2020, Kemin Foods L.C. was granted an authorisation to commercialize this microalgae as food with an exclusivity period of 5 years (European Commission 2020).

Applications for authorisation as novel foods have been submitted for other species. These are listed in Table 3.



Table 3 : Dossiers stopped/in progress/under review

Species	Demand	Results
<i>Galdieria sulphuraria</i>	An application for authorisation is currently being examined for the microalgae <i>Galdieria sulphuraria</i> (EFSA 2020).	Under review
<i>Chlamydomonas reinhardtii</i>	“Novel Food” status was notified (Food Safety Authority of Ireland 2019) A Novel food dossier was submitted in April 2023 by Triton Algae Innovations Ltd with a request for data protection (EFSA 2023c).	In 2025, the European Commission decided to stop the evaluation process due to a lack of data regarding the non-toxicity of the microalgae (https://food.ec.europa.eu/food-safety/novel-food/decisions-terminating-procedure_en).
Cochayuyo (<i>Durvillaea antarctica/ Durvillaea Incurvata</i>)	Notification as a traditional food from a country outside the European Union (EFSA 2023a).	Currently under review. The EFSA has issued an initial negative opinion, highlighting a safety risk associated with the levels of certain minerals (Engel et al. 2025).
Silicon-enriched Spirulina	Consultation process	Notification of Novel Food status for spirulina enriched with silicon via enrichment of the culture medium, as the form of silica used is not authorised for the manufacture of food supplements (Bennekou et al. 2025; FSAI 2025).
<i>Haematococcus pluvialis</i> containing 5.0-5.6% astaxanthin		AstaReal has received a favourable opinion from EFSA for the use of <i>Haematococcus</i> biomass containing 5.0–5.6% astaxanthin, no longer as a food supplement but as an ingredient in dairy products and similar products, and in juices (Turck et al. 2025). This opinion paves the way for its authorisation in these matrices. Note: the Novel Food catalogue now lists the species authorised in food supplements as <i>Haematococcus lacustris</i> (<i>Haematococcus pluvialis</i> remains listed as a synonym).

c. Novel Food ingredients extracted from algae

Like for algae, new ingredients derived from algae must undergo the authorisation procedure and must meet the specifications set out in the dossiers submitted. Inclusion on the Union list includes the conditions of use and labelling requirements set out in the annexes to the regulations.

Microalgae extracts

Various types of microalgae extracts have been authorised as novel foods. In particular, there are currently **nine oil extracts from *Schizochytrium*** that have been authorised for placing on the market as novel foods, each with different specifications and uses. These can be found on the Union List (European Commission 2017) which is regularly [updated](#).



Table 4 : oil extracts from microalgae rich in omega-3 fatty acids authorised as novel ingredients

Extract	Status
DHA-rich (>32%) oil from <i>Schizochytrium sp.</i>	Authorization to be placed on the market under Regulation (CE) n° 258/97 (European Commission 2003). Several dossiers for extension of use as well as new authorizations were subsequently submitted and accepted (European Commission 10/2009b, 2014, 2018a, 03/2019), as well as several dossiers for substantial equivalence.
<i>Schizochytrium sp.</i> , with high contents in DHA (>22%) and EPA (>10%)	Authorization to be placed on the market under Regulation (CE) n° 258/97 (European Commission 2003) and a subsequent extension of use (European Commission 2015, 2022, 2024b, 2025c).
Oil extracted from the microalgae <i>Schizochytrium sp.</i> (ATCC PTA-9695)	Authorized in 2015, with extension of use in 2019 (European Commission 2015, 2019).
Oil extracted from <i>Schizochytrium sp.</i> (T18)	Authorized in 2016, with extension of use in 2018 and 2020 (Mara Renewables Inc 2016; UK Food Standards Agency - Advisory Committee on Novel Foods and Processes (ACNFP) 2004, 2011, 2017).
Oil extracted from <i>Schizochytrium sp.</i> (WZU477)	Authorized with an exclusivity period of five years (since 23 April 2021) for the original applicant, Progress Biotech bv (European Commission 04/2021).
Oil extracted from <i>Schizochytrium sp.</i> (FCC-3204)	is also authorized for use in infant formulations and food supplements, up to 1 g/day (European Commission 2021a). Its use was also extended to protein products, excluding dairy substitutes, in 2025 (European Commission 2025d).
Oil extracted from <i>Schizochytrium sp.</i> (CABIO-A-2)	Authorized in July 2024 for use in infant formula and follow-on formula (European Commission 2024c, 2024a).
Oil from <i>Schizochytrium limacinum</i> (TKD-1)	Authorized in July 2024 for use in infant formula and follow-on formula (European Commission 2024c, 2024a).
Oil from <i>Schizochytrium limacinum</i> (ATCC-20889)	Authorized in 2025 for use in infant formula with protection of data for 5 years (European Commission 2025b).
Oil rich in DHA from <i>Schizochytrium limacinum</i> A2 (Huve Nutra 2024)	Application submitted in 2024 : currently under review.
DHA-rich (>32%) oil from <i>Ulkenia sp.</i>	Substantial equivalence dossier in 2003 (equivalent to DHA-rich oil from <i>Schizochytrium sp.</i>) was approved by the German authorities and subsequently received an extension of use for bakery, cereal bars and juices (European Commission 10/2009a).
Oil rich in EPA from <i>Nannochloropsis oculata</i>	Ongoing dossier (EFSA 2022).
Oleoresin from <i>Nannochloropsis gaditana</i>	Ongoing dossier (EFSA 2025). QPS (qualified presumption of safety) has been granted with the qualification “for production purposes only » for the microalgua <i>Microchloropsis gaditana</i> (<i>Nannochloropsis gaditana</i>).



Other extracts are also authorized. In particular astaxanthin-rich oleoresins extracted from the microalgae *Haematococcus*.

Table 5 : oil extracts of microalgae rich in astaxanthin authorised as novel ingredients

Astaxanthin-rich oleoresin extracted from <i>Haematococcus pluvialis</i>	
Initial application	Authorized back in 2004 via an application to the UK authorities. In an opinion published in 2004, UK Advisory Committee on Novel Foods and Processes (ACNFP) acknowledges the substantial equivalence of an oleoresin extracted from <i>Haematococcus pluvialis</i> with the whole algae meal (UK Food Standards Agency - Advisory Committee on Novel Foods and Processes (ACNFP) 2004). It is worth noting that, although ACNFP opinion establishes that <i>Haematococcus pluvialis</i> was commercialized as food supplement in Europe since at least 1995, it is not currently listed as such in the Novel Food catalogue, unlike <i>Haematococcus lacustris</i> (but <i>H. pluvialis</i> Flotow is mentioned as a synonym of <i>H. lacustris</i>).
Substantial equivalence dossiers	Several other applications for substantial equivalence for extracts of this microalga have also been submitted and accepted (same use limited to food supplements). They concern oleoresins obtained by various extraction processes (supercritical CO ₂ , solvents, etc.). These oleoresins appear under the name 'Astaxanthin-rich oleoresin extracted from the algae <i>Haematococcus pluvialis</i> ' in the Union list of novel foods (European Commission 2017) and may be labelled 'astaxanthin'. However, applications to extend the use of astaxanthin in foods (dairy products, beverages) were rejected.
Modification of conditions of use	A modification of the conditions of use was specified in 2021 with a specification of maximum doses (40-80 mg oleoresin per day, equivalent to ≤ 8 mg astaxanthin per day) in food supplements excluding infants, young children, children and adolescents under 14 years of age (European Commission 2021b).
Extension of target population	In 2023, an extension of the target population was authorized, with maximum levels of astaxanthin in food supplements not to be exceeded. They range from 2.3 mg/day of astaxanthin for children aged 3 to 10 to 5.6 mg/day of astaxanthin in food supplements intended for adolescents aged 10 to under 14 (European Commission 2023a; EFSA 2023a).
Modifications of specifications	AstaReal recently submitted a request to modify the specifications: modifications to astaxanthin monoesters, astaxanthin diesters, astaxanthin 9-cis stereoisomers and a range of protein content. EFSA concluded that the extract was non-toxic even with these specification changes, and the opinion was published on 8 November 2023 (EFSA 2023b). The European Commission recently voted for its authorization and the regulation was published in April 2024 (European Commission 2024d).

Finally, the beta-1,3-β-glucan polymer extracted from the microalga *Euglena gracilis*, known as paramylon, has been recognized as non-toxic at the proposed doses and for the proposed uses (cereal bars, food supplements, meal replacements). Its authorization was voted and the text published in April 2024 (European Commission 2024e).

However, several applications for extracts of the microalgae *Phaeodactylum tricornutum* were not successful, and some applications were also withdrawn.



It is also worth noting that updates to the Novel Food catalogue – not all of which are accompanied by publicly available dossiers – may also relate to ingredients. For example, *Dunaliella salina*, as well as the beta-carotene extracted from it, have recently been added to the catalogue.

Very recently, the EFSA concluded that there were no safety concerns regarding the use of *Galdieria* blue extract (comprising 25% phycocyanin) as a food additive under typical conditions of use and at typical usage levels (Castle et al. 2026).

Seaweed extracts

Commission Implementing Regulation (UE) 2018/460 authorizes the placing on the market of *Ecklonia cava* phlorotannins as novel food for use in food supplements (European Commission 2018b).

Fucoidan extracts from *Fucus vesiculosus* and *Undaria pinnatifida* are also authorized in food and food supplements (European Commission 2017).

Lastly, a dossier filed by par Islenska Saltbrennslan in Iceland is currently under evaluation for ash produced from the brown algae *Laminaria digitata* as a novel food (NF 2018/0728 (EFSA 2018)).

Following the consultation procedure, the hydroalcoholic extract of *Porphyra yezoensis* has been granted Novel Food status (AFSCA 2021).

These various elements are summarised in the summary tables at the end of the document.



3. Requirements for algae commercialization

a. Contaminants

The European reference regulation for chemical contaminants is Regulation (EU) 2023/915 on the maximum levels for certain contaminants (heavy metals, mycotoxins, etc.) in foodstuffs (European Commission 2023b)

To date, only the nickel content in seaweed as a foodstuff and certain heavy metals in algae-based food supplements are specified by this European regulation.

Discussions are currently underway to harmonise the various opinions at European level and to set limits for the main contaminants in seaweed consumed as food. These limits are expected to cover heavy metals (lead, cadmium, mercury), inorganic arsenic, as well as iodine.

Maximum levels for heavy metals have been set for supplements in general, as well as for cadmium in food supplements containing at least 80% dried seaweed or products derived from seaweed, and for Polycyclic Aromatic Hydrocarbons (PAHs) in botanical preparations (including algae) and spirulina-based food supplements.

A threshold for pyrrolizidine alkaloids (PAs) is also established for botanical preparations including algae. Pyrrolizidine alkaloids are naturally occurring toxins found in a wide variety of plant species, produced as a defense mechanism. However, to our knowledge, these substances are not naturally produced by algae.

Concerning pesticide residues, EC regulation 396/2005 sets maximum limits that must not be exceeded. The maximum limits applicable to algae and prokaryotic organisms are available in the appendix to the regulation or in the European Commission database <https://ec.europa.eu/food/plant/pesticides/eu-pesticides-database/start/screen/products> and are set between 0.01 mg/kg and 0.1 mg/kg for a large number of pesticides.

Specific criteria exist in France. They were defined through recommendations of the French High Council for Public Hygiene (CSPHF) and the former AFSSA agency, now the French Agency for Food, Environmental and Occupational Health & Safety (ANSES). These opinions set maximum limits in mg/kg dry weight for certain contaminants such as heavy metals (inorganic arsenic, lead, cadmium, mercury and tin), and for iodine (CSHPF 01/1990; AFSSA 2009; European Commission 2008).



Table 6 : Maximum levels of iodine and contaminants authorized in algae

		Algae (vegetables or condiments) French recommendations (CSHPPF01/1990, AFSSA 04/2009)	Algae for food European regulation (UE) 2023/915	Food supplement European regulation (UE) 2023/915 (per kg sold product)
Inorganic arsenic	mg/kg dry	3		
Cadmium	mg/kg dry	0,5		3
Mercury	mg/kg dry	0,1		0.1
Lead	mg/kg dry	5		3
Tin	mg/kg dry	5		
Nickel	mg/kg dry		30 40 for wakame	
Iodine	mg/kg dry	2 000		
Benzo(a) Pyrene Sum of PAHs	µg/kg product sold			10 50
Alcaloïdes pyrrolizidiniques	µg/kg product sold			400
Pesticides	mg/kg fresh or frozen		0,01 to 0,1 depending of pesticides	

In the case of cadmium, a recent opinion from French ANSES on the maximum cadmium content for seaweed intended for human consumption recommends **"a maximum cadmium concentration in seaweed that is as low as possible"** due to the high exposure of the general population to this ubiquitous element (ANSES 2020).

The assessment of dietary exposure to cadmium in seaweed consumers based on different types of consumption scenarios enabled them to identify a maximum cadmium concentration in seaweed of 0.35 mg/kg dry matter to ensure that the population consuming seaweed does not exceed the Tolerable Daily Intake (TDI) for cadmium in 95% of cases. Thus *"a cadmium concentration of 0.35 mg.kg⁻¹ dry matter of seaweed as an unprocessed food would, in terms of dietary exposure of consumers of seaweed in all its forms (food, ingredient, food supplement), contribute on average 11.5% of the TDI for cadmium (compared to 15.4% for a maximum concentration of 0.5 mg Cd.kg⁻¹ dry matter of seaweed). However, as the confidence interval includes the maximum concentration of 0.5 mg Cd.kg⁻¹ dry matter of seaweed, it is possible that this concentration prevents 95% of the population from exceeding the TDI for cadmium"*.

When this opinion on cadmium was published, we, at CEVA, reacted to this proposal of a low limit. This limit of 0.35 mg/kg would in fact introduce a ban on the consumption of certain species (both domestic and imported), despite their traditional consumption in Asia for centuries and their widely recognized nutritional value. For CEVA, it is important to stress that seaweed is just one of many contributors of heavy metals to our diet, and should be subject to the same restrictions as other foods. On the contrary, this opinion, based on the precautionary principle, considers them to be an additional source of



cadmium, which should be specifically minimized, rather than a part of the diet. Furthermore, this opinion is based on insufficient data (according to the ANSES opinion itself), and should be modulated according to the type of seaweed and the way it is actually consumed as part of a diversified diet.

We note also the particular case of Germany, where the maximum iodine content differs from the French recommendations. In 2004, the German Federal Institute for Risk Assessment (BfR) assessed the health risks of iodine contained in dried seaweed placed on the market and recommended a very strict maximum iodine content, set at 20 mg/kg of seaweed dry matter (Bundesinstitut für Risikobewertung (BfR) 2007).



b. Microbiological criteria

The reform of Community regulations on food hygiene, which came into force on 1st of January 2006, has simplified and harmonised the texts applicable in the European Union. Its objectives is to make a **single, transparent hygiene policy** applicable to all food and all food operators in the food chain ("from farm to fork"), together with effective instruments to manage food safety and any future food crises throughout the food chain.

- Only criteria for which the representatives of the Member States considered that there was a need for harmonisation, or for particularly sensitive ready-to-eat foods, or for raw foods which may cause cross-contamination, have been established by regulation;
- Other criteria are the responsibility of operators.

Regulation (EC) No 2073/2005 implements the "Hygiene Package". It distinguishes between safety criteria, which indicate "the acceptability of a product or batch of foodstuffs, applicable to products placed on the market", and process hygiene criteria, which indicate "the acceptability of the operation of a manufacturing process". Failure to comply with a process hygiene criteria leads to corrective action designed to maintain the hygiene of the process.

Fresh, processed seaweed or microalgae are not listed in the categories of foodstuffs covered by Regulation (EU) 2073/2005. There are therefore no specific microbiological criteria for algae in the regulation. However, they must comply with the general safety requirement and therefore must not be harmful to health. In this respect, the limits applicable to all foodstuffs concerning *Listeria monocytogenes* apply (European Commission 11/2005).

Historically, recommendations were also published in France for microbiological quality of packaged dried algae, which had to fulfill the following criteria presented in the table below (CSHPF 01/1990; BID 1987). These recommendations relate in particular to mesophilic aerobic germs, faecal coliforms, sulphite-reducing anaerobes, *Staphylococcus aureus*, *Clostridium perfringens* and *Salmonella*.

However, the hazard analysis carried out as part of the HACCP study could reveal the need to monitor the presence of other micro-organisms that are potentially harmful to health. It will then be necessary to take them into account. Conversely, the recommendation relating to *Clostridium perfringens* seems particularly strict. Higher levels are tolerated in many food matrices (up to 10⁵/g for certain products), and ANSES now recommends this as a process hygiene criteria, rather than as a finished product safety criteria.

Table 7 : Historical microbiological criteria for dried algae (CSHPF 01/1990; BID 1987)

Mesophilic aerobic germs	≤ 10 ⁵ / gram
Faecal coliforms	≤ 10 / gram
Anaerobic sulfite-reducing bacteria	≤ 10 ² / gram
<i>Staphylococcus aureus</i>	≤ 10 ² / gram
<i>Clostridium perfringens</i>	≤ 1 / gram
<i>Salmonella</i>	absence in 25 grams



Conclusion - Summary tables

As illustrated in this review, the use of edible seaweed and microalgae is still governed by several European and national regulations and guidances (Novel Food, food supplements, ...).

It is necessary to combine these sources to provide a list of algae and algae-derived ingredients authorized for food applications in Europe. This is what we propose to do in the following tables.

This list is not exhaustive, and will keep evolving over time when Member States share national lists, or following the introduction of new Novel Food requests.



Brown seaweed

Regulatory synthesis - 20/04/2026	Historique France	Europe	Europe	Europe	Europe
Scientific name	CSHPF opinions, DGCCRF	"Not novel"	"Not novel"	Novel Food dossier	Novel Food dossier
	Food	Food	Food supplement	Food/Food supplement	Extracts
<i>Alaria esculenta</i>	X	X			
<i>Ascophyllum nodosum</i>	X	X			
<i>Durvillaea antarctica</i>			X		
<i>Ecklonia cava</i>			X		x Phlorotannins
<i>Eisenia bicyclis</i>		X			
<i>Fucus serratus</i>	X	X			
<i>Fucus spiralis</i>		X			
<i>Fucus vesiculosus</i>	X	X			x Fucoïdan
<i>Himantalia elongata</i>	X	X			
<i>Laminaria digitata</i>	X	X			
<i>Laminaria hyperborea</i>		X			
<i>Macrocystis pyrifera</i>			X		
<i>Saccharina japonica</i> (<i>Laminaria japonica</i>)	X	X			
<i>Saccharina latissima</i> (<i>Laminaria saccharina</i>)	X	X			
<i>Saccharina longicuris</i> (<i>Laminaria longicuris</i>)		X			
<i>Sargassum fusiforme</i> (<i>Hizikia fusiformis</i>)		X			
<i>Undaria pinnatifida</i>	X	X			x Fucoïdan

Valid taxon in bold – names in brackets represent old designations



Green seaweed

Regulatory synthesis - 20/04/2026	Historique France	Europe	Europe	Europe	Europe
Scientific name	CSHPF opinions, DGCCRF	"Not novel"	"Not novel"	Novel Food dossier	Novel Food dossier
	Food	Food	Food supplement	Food/Food supplement	Extracts
<i>Caulerpa lentillifera</i>		x			
<i>Monostroma nitidum</i>		x			
<i>Ulva sp.</i>	x				
<i>Ulva sp (Enteromorpha sp .)</i>	x				
<i>Ulva australis</i>		x			
<i>Ulva compressa (Enteromorpha compressa)</i>		x			
<i>Ulva intestinalis (Enteromorpha intestinalis)</i>		x			
<i>Ulva lactuca</i>		x			
<i>Ulva ohnoi</i>		x			
<i>Ulva prolifera (Enteromorpha prolifera)</i>		x			

Valid taxon in bold – names in brackets represent old designations



Red seaweed

Regulatory synthesis - 20/04/2026	Historique France	Europe	Europe	Europe	Europe
Scientific name	CSHPF opinions, DGCCRF	"Not novel"	"Not novel"	Novel Food dossier	Novel Food dossier
	Food	Food	Food supplement	Food/Food supplement	Extracts
<i>Alsidium helminthochorton</i>			x		
<i>Chondrus crispus</i>	x	x			
<i>Corallina officinalis</i>			x		
<i>Eucheuma denticulatum</i> (<i>Eucheuma spinosum</i>)			x		
<i>Eucheuma horridum</i>			x		
<i>Gelidium amansii</i>		x			
<i>Gelidium corneum</i>		x			
<i>Gracilaria gracilis</i>			x		
<i>Gracilariopsis longissima</i> (<i>Gracilaria verrucosa</i>)	x	x			
<i>Mastocarpus stellatus</i>			x		
<i>Neopyropia leucosticta</i> (<i>Porphyra leucosticta</i>)	x	x			
<i>Neopyropia yezoensis</i> (<i>Porphyra yezoensis</i>)	x	x			
<i>Palmaria palmata</i>	x	x			
<i>Phymatolithon calcareum</i> (<i>Lithothamnion calcareum</i>)	x	x			
<i>Porphyra dioica</i>	x	x			
<i>Porphyra laciniata</i> = <i>ErythroGLOSSUM laciniatum</i>	x	x			
<i>Porphyra purpurea</i>	x	x			
<i>Porphyra umbilicalis</i>	x	x			
<i>Pyropia tenera</i> (<i>Porphyra tenera</i>)	x	x			

Valid taxon in bold – names in brackets represent old designations



Microalgae

Regulatory synthesis - 20/04/2026	Historique France	Europe	Europe	Europe	Europe
Scientific name	CSHPF opinions, DGCCRF	"Not novel"	"Not novel"	Novel Food dossier	Novel Food dossier
	Food	Food	Food supplement	Food/Food supplement	Extracts
<i>Aphanizomenon flos aquae</i>			x		
<i>Aphanizomenon flos-aquae</i> var. <i>flos-aquae</i>		x			
<i>Arthrospira</i> sp. (" <i>Spirulina</i> sp")	x				
<i>Arthrospira major</i> (<i>Spirulina major</i>)		x			
<i>Arthrospira platensis</i> (<i>Spirulina platensis</i>)		x			
<i>Auxenochlorella prothococoides</i>		x			
<i>Auxenochlorella pyrenoidosa</i> (<i>Chlorella pyrenoidosa</i>)		x			
<i>Chlorella</i> sp.	x				
<i>Chlorella vulgaris</i>		x			
<i>Chlorella sorokiniana</i>		x			
<i>Coelastrella vacuolata</i> (<i>Scenedesmus vacuolatus</i>)		x			
<i>Dunaliella salina</i>			x (whole, β -caroten extract)		
<i>Euglena gracilis</i>				x (specified categories)	x Beta-glucan
<i>Graesiella emersonii</i> (<i>Chlorella emersonii</i>)		x			
<i>Haematococcus lacustris</i> (<i>Haematococcus pluvialis</i>)			x		x Oleoresin
<i>Heterochlorella luteoviridis</i> (<i>Chlorella luteoviridis</i>)		x			
<i>Jaagichlorella luteoviridis</i> (<i>Chlorella luteoviridis</i>)		x			
<i>Limnospira fusiformis</i> (<i>Arthrospira fusiformis</i>)		x			
<i>Limnospira indica</i> (<i>Arthrospira indica</i>)			x		
<i>Limnospira maxima</i> (<i>Arthrospira maxima</i>)		x			
<i>Odontella aurita</i>				x (specified categories)	
<i>Parachlorella kessleri</i>		x			
<i>Schizochytrium</i> sp.					x 9 Oils extracts *
<i>Tetraselmis chuii</i>				x (specified categories)	
<i>Ulkenia</i> sp.					x Oil extracts

Valid taxon in bold – names in brackets represent old designations

* 9 oil extracts : *Schizochytrium* sp. oil rich in EPA and DHA, *Schizochytrium* sp. (ATCC-PTA-9695) oil, *Schizochytrium* sp. (CABIO-A-2) oil, *Schizochytrium* sp. (FCC-3204) oil, *Schizochytrium* sp. oil, *Schizochytrium* sp. T18 oil, *Schizochytrium* sp. (WZU477), *Schizochytrium linacinum* (TKD-1) oil, *Schizochytrium linacinum* (ATCC-20889) oil



1- BIBLIOGRAPHIE

AECOSAN (2014) Authorisation to market *Tetraselmis chuii*.

AECOSAN (2017) Authorisation of extension of use of freeze-dried microalgae *Tetraselmis chuii* to include their use in food supplements.

AFSCA (2021) Consultation request for the determination of the novel food status of hydroalcoholic extract of *porphyra yezoensis* (Ueda) stabilized in glycerin. ARTICLE 4 of Regulation (EU) 2015/2283. En ligne : https://food.ec.europa.eu/document/download/6f80e85c-45ff-4722-98f0-7bd8e1718812_en?filename=novel-food_consult-status_porphyra-yezoensis.pdf, consulté le 25 mai 2021.

AFSSA (2002) Avis relatif à la demande d'équivalence en substance d'une microalgue *Odontella aurita* avec des algues autorisées. saisine n° 2001-SA-0082. AFSSA.

AFSSA (2009) Avis relatif à la teneur maximale en arsenic inorganique recommandée pour les algues laminaires et aux modalités de consommation de ces algues compte tenu de leur teneur élevée en iode. Saisine n° 2007-SA-0007.

ANSES (2020) AVIS de l'Anses relatif à la teneur maximale en cadmium pour les algues destinées à l'alimentation humaine.

Bennekou, Susanne Hougaard; Allende, Ana; Bearth, Angela; Casacuberta, Josep; Castle, Laurence; Coja, Tamara et al. (2025) Risks to human and animal health from the presence of bromide in food and feed. In : EFSA Journal, vol. 23, n° 1, e9121. DOI: 10.2903/j.efsa.2025.9121.

BID (1987) BID n° 11_1987 - Présentation du rapport sur les algues en alimentation humaine du CSHPF accompagnée de recommandations pour son utilisation.

Bundesinstitut für Risikobewertung (BfR) (2007) Health risks linked to high iodine levels in dried algae. Updated BfR Opinion No. 026/2007, 22 June 2004. En ligne : https://www.bfr.bund.de/cm/343/gesundheitsliche_risiken_durch_zu_hohen_jodgehalt_in_getrockneten_algen.pdf, consulté le 29 janvier 2024.

Castle, Laurence; Andreassen, Monica; Aquilina, Gabriele; Bastos, Maria Lourdes; Boon, Polly; Fallico, Biagio et al. (2026) Safety evaluation of blue *Galdieria* extract as a food additive. In : EFSA Journal, vol. 24, n° 3. DOI: 10.2903/j.efsa.2026.9960.

CSHPF (01/1990) Avis du CSHPF - demande d'autorisation d'algues en alimentation humaine (non paru au Journal Officiel).

CSHPF (02/1992) Avis du 13 février 1992 du CSHPF - emploi de l'algue *Fucus serratus* en alimentation humaine (non paru au Journal Officiel).

CSHPF (10/1997) Avis du CSHPF sur l'emploi en alimentation humaine d'algues du genre *Laminaria* (non paru au Journal Officiel).

Czech Republic, Ministry of Agriculture, Food Safety Department (2022) Consultation request to determine the novel food status of the *Chlorella* sp. (*Auxenochlorella protothecoides*, *Auxenochlorella pyrenoidosa*, *Chlorella sorokiniana*, *Chlorella vulgaris*, *Jaagichlorella luteoviridis*, *Parachlorella kessleri*), consulté le 11 avril 2022.



Czech Republic, Ministry of Agriculture, Food Safety Department (2024a) Consultation request for the determination of the novel food status of *Coelastrella vacuolata* (*Scenedesmus vacuolatus*). ARTICLE 4 of Regulation (EU) 2015/2283. En ligne : https://food.ec.europa.eu/document/download/7ee89556-98de-4d79-912b-3efdba62a460_en?filename=novel-food_consult-status_scenedesmus-vacuolatus.pdf.

Czech Republic, Ministry of Agriculture, Food Safety Department (2024b) Consultation request for the determination of the novel food status of *Scenedesmus* sp. (*Scenedesmus acutus*, *Scenedesmus quadricauda*, *Desmodesmus subspicatus*, *Desmodesmus communis*, *Tetradesmus almeriensis*, *Tetradesmus dimorphus*, *Tetradesmus obliquus*). ARTICLE 4 of Regulation (EU) 2015/2283. En ligne : https://food.ec.europa.eu/document/download/87091bb3-84eb-40ea-8f62-020e34dc93f0_en?filename=novel-food_consult-status_scenedesmus-sp.pdf.

DGCCRF (04/2009) Courrier DGCCRF 17 avril 2009 à l'attention du CEVA - liste des algues présentant un historique de consommation dans l'Union européenne depuis une date antérieure à 1997.

DGCCRF (2019a) ALGUES - Recommandations sanitaires pour l'emploi de préparations d'algues dans les compléments alimentaires (SD 4 / 4A), consulté le 15 octobre 2019.

DGCCRF (2019b) Liste des algues pouvant être employées dans les compléments alimentaires (SD4/4A). DGCCRF. En ligne : https://www2.economie.gouv.fr/files/files/directions_services/dgccrf/secure/produits_alimentaires/Complement_alimentaire/CA_ListeAlgues_Janvier2019.pdf, consulté le 19 novembre 2019.

EFSA (2018) Summary of ongoing application - *Laminaria digitata* ash. (NF 2018/0728 - Íslenska Saltbrennslan ehf). En ligne : https://ec.europa.eu/food/sites/food/files/safety/docs/novel-food_sum_ongoing-app_2018-0728.pdf, consulté le 7 octobre 2019.

EFSA (2019) Summary of ongoing application - Dried *Tetraselmis chuii* microalgae (modification of specifications). (NF 2019/1062 - Green Sea Bio System One s.l.). En ligne : https://ec.europa.eu/food/sites/food/files/safety/docs/novel-food_sum_ongoing-app_2019-1062.pdf, consulté le 18 novembre 2019.

EFSA (2020) Summary of ongoing application - Dried biomass of *Galdieria sulphuraria*. (NF 2019-1342 / Fermentalg), consulté le 7 avril 2022.

EFSA (2022) Summary of ongoing application - Extracted oil derived from *Nannochloropsis oculata* (NF_2022-12550). En ligne : https://food.ec.europa.eu/document/download/e9c3710c-b371-4912-bac2-63f5a53adb14_en?filename=novel-food_sum_ongoing-app_2022-12550.pdf, consulté le 14 janvier 2025.

EFSA (2023a) Notification on Cochayuyo seaweed (*Durvillaea antarctica*/ *Durvillaea Incurvata*) as traditional food. EFSA-Q-2023-00582. En ligne : <https://open.efsa.europa.eu/questions/EFSA-Q-2023-00582?foodDomains=Novel+Foods&search=EFSA-Q-2023-00582>.



EFSA (2023b) Safety of a change in specifications of the novel food oleoresin from *Haematococcus pluvialis* containing astaxanthin pursuant to Regulation (EU) 2015/2283. EFSA-Q-2022-00588. En ligne : <https://www.efsa.europa.eu/en/efsajournal/pub/8338>.

EFSA (2023c) Summary of the application: Dried *C. reinhardtii* algae (synonymous to *Chlamydomonas reinhardtii* dried biomass powder). (Triton Algae Innovations - NF 2023-8410). En ligne : https://food.ec.europa.eu/system/files/2023-09/novel-food_sum_ongoing-app_2023-8410.pdf, consulté le 6 septembre 2023.

EFSA (2025) Application for authorisation of Oleoresin from *Nannochloropsis gaditana* as a novel food. EFSA-Q-2025-00291. En ligne : <https://open.efsa.europa.eu/questions/EFSA-Q-2025-00291>, consulté le 9 décembre 2025.

Engel, Karl-Heinz; Kukuła-Koch, Wirginia; Maciuk, Alexandre; Pelaez, Carmen; Pilegaard, Kirsten; van Loveren, Henk et al. (2025) Technical Report on the notification of dried fronds of *Durvillaea incurvata* (Suhr) Macaya as a traditional food from a third country pursuant to Article 14 of Regulation (EU) 2015/2283. In : EFSA Supporting Publications, vol. 22, n° 2. DOI: 10.2903/sp.efsa.2025.EN-9279.

European Commission (2003) DÉCISION DE LA COMMISSION du 5 juin 2003 autorisant la mise sur le marché d'une huile extraite de la microalgue *Schizochytrium* sp. à teneur élevée en DHA (acide docosahexaénoïque) en tant que nouvel ingrédient alimentaire, en application du règlement (CE) no 258/97 du Parlement européen et du Conseil [notifiée sous le numéro C(2003) 1790] (2003/427/CE), consulté le 7 octobre 2019.

European Commission (11/2005) RÈGLEMENT (CE) No 2073/2005 DE LA COMMISSION du 15 novembre 2005 concernant les critères microbiologiques applicables aux denrées alimentaires: Journal Officiel de l'Union Européenne, consulté le 15 octobre 2019.

European Commission (2008) Règlement (CE) n°629/2008 du 2 juillet 2008 modifiant le règlement (CE) n°1881/2006 portant fixation de teneurs maximales pour certains contaminants dans les denrées alimentaires: Journal Officiel de l'Union Européenne, consulté le 13 mai 2016.

European Commission (10/2009a) Décision de la Commission du 21 octobre 2009 concernant l'extension des usages de l'huile d'algue extraite de la microalgue *Ulkenia* sp. en tant que nouvel ingrédient alimentaire en application du règlement (CE) no 258/97 du Parlement européen et du Conseil [notifiée sous le numéro C(2009) 7932]: Journal Officiel de l'Union Européenne, consulté le 7 octobre 2019.

European Commission (10/2009b) Décision de la Commission du 22 octobre 2009 concernant l'extension des usages de l'huile d'algue extraite de la microalgue *Schizochytrium* sp. en tant que nouvel ingrédient alimentaire en application du règlement (CE) no 258/97 du Parlement européen et du Conseil [notifiée sous le numéro C(2009) 7933], 2009/778/CE: Journal Officiel de l'Union Européenne, consulté le 7 octobre 2019.

European Commission (2014) DÉCISION D'EXÉCUTION DE LA COMMISSION du 14 juillet 2014 portant autorisation de mise sur le marché d'une huile extraite de la microalgue *Schizochytrium* sp. en tant que nouvel ingrédient alimentaire en application du règlement (CE) n°258/97 du Parlement européen et du Conseil et abrogeant les décisions 2003/427/CE et 2009/778/CE - [notifiée sous le numéro C(2014) 4670] - (2014/463/UE): Journal Officiel de l'Union Européenne, consulté le 7 octobre 2019.



European Commission (2015) DÉCISION D'EXÉCUTION (UE) 2015/545 autorisant la mise sur le marché d'huile extraite de la microalgue *Schizochytrium* sp. (ATCC PTA-9695) en tant que nouvel ingrédient alimentaire en application du règlement (CE) no 258/ 97 du Parlement européen et du Conseil - [notifiée sous le numéro C(2015) 2082]: Journal Officiel de l'Union Européenne, consulté le 7 octobre 2019.

European Commission (11/2015) RÈGLEMENT 2015/2283 relatif aux nouveaux aliments, modifiant le règlement (UE) n°1169/2011 et abrogeant le règlement (CE) n°258/97 et le règlement (CE) n°1852/2001: Journal Officiel de l'Union Européenne.

European Commission (2017) RÈGLEMENT D'EXÉCUTION (UE) 2017/2470 DE LA COMMISSION du 20 décembre 2017 établissant la liste de l'Union des nouveaux aliments conformément au règlement (UE) 2015/2283 du Parlement européen et du Conseil relatif aux nouveaux aliments: Journal Officiel de l'Union Européenne, consulté le 18 janvier 2018.

European Commission (2018a) RÈGLEMENT D'EXÉCUTION (UE) 2018/1032 DE LA COMMISSION du 20 juillet 2018 autorisant une extension de l'utilisation de l'huile extraite de la microalgue *Schizochytrium* sp. en tant que nouvel aliment en application du règlement (UE) 2015/2283 du Parlement européen et du Conseil et modifiant le règlement d'exécution (UE) 2017/2470 de la Commission: Journal Officiel de l'Union Européenne, consulté le 7 octobre 2019.

European Commission (2018b) RÈGLEMENT D'EXÉCUTION (UE) 2018/460 DE LA COMMISSION du 20 mars 2018 autorisant la mise sur le marché des phlorotannins d'*Ecklonia* cava en tant que nouvel aliment en application du règlement (UE) 2015/2283 du Parlement européen et du Conseil, et modifiant le règlement d'exécution (UE) 2017/2470 de la Commission: Journal Officiel de l'Union Européenne, consulté le 30 mars 2018.

European Commission (2019) RÈGLEMENT D'EXÉCUTION (UE) 2019/387 autorisant une extension de l'utilisation de l'huile extraite de *Schizochytrium* sp. (ATCC PTA-9695) en tant que nouvel aliment ainsi que la modification de la dénomination et de l'exigence d'étiquetage spécifique de l'huile extraite de *Schizochytrium* sp. (ATCC PTA-9695) en application du règlement (UE) 2015/ 2283 du Parlement européen et du Conseil, et modifiant le règlement d'exécution (UE) 2017/ 2470 de la Commission, consulté le 7 octobre 2019.

European Commission (03/2019) RÈGLEMENT D'EXÉCUTION (UE) 2019/387 autorisant une extension de l'utilisation de l'huile extraite de *Schizochytrium* sp. (ATCC PTA-9695) en tant que nouvel aliment ainsi que la modification de la dénomination et de l'exigence d'étiquetage spécifique de l'huile extraite de *Schizochytrium* sp. (ATCC PTA-9695): Journal Officiel de l'Union Européenne, consulté le 23 septembre 2019.

European Commission (2020) RÈGLEMENT D'EXÉCUTION (UE) 2020/1820 autorisant la mise sur le marché d'*Euglena gracilis* séchée en tant que nouvel aliment en application du règlement (UE) 2015/2283 du Parlement européen et du Conseil et modifiant le règlement d'exécution (UE) 2017/2470 de la Commission: Journal Officiel de l'Union Européenne, consulté le 10 mars 2021.

European Commission (2021a) Règlement d'exécution (UE) 2021/1326 autorisant la mise sur le marché de l'huile extraite de *Schizochytrium* sp. (FCC-3204) en tant que nouvel aliment en application du règlement (UE) 2015/2283 du Parlement européen et du Conseil et modifiant



le règlement d'exécution (UE) 2017/2470 de la Commission: Journal Officiel de l'Union Européenne. En ligne : <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32021R1326&qid=1498155481824>, consulté le 9 septembre 2021.

European Commission (2021b) Règlement d'exécution (UE) 2021/1377 autorisant une modification des conditions d'utilisation du nouvel aliment «oléorésine riche en astaxanthine extraite de l'algue *Haematococcus pluvialis*» en vertu du règlement (UE) 2015/2283 du Parlement européen et du Conseil et modifiant le règlement d'exécution (UE) 2017/2470 de la Commission: Journal Officiel de l'Union Européenne, consulté le 3 septembre 2021.

European Commission (04/2021) RÈGLEMENT D'EXÉCUTION (UE) 2021/670 DE LA COMMISSION du 23 avril 2021 autorisant la mise sur le marché de l'huile extraite de *Schizochytrium* sp. (WZU477) en tant que nouvel aliment en application du règlement (UE) 2015/2283 du Parlement européen et du Conseil et modifiant le règlement d'exécution (UE) 2017/2470 de la Commission.

European Commission (2022) RÈGLEMENT D'EXÉCUTION (UE) 2022/1365 DE LA COMMISSION modifiant le règlement d'exécution (UE) 2017/2470 en ce qui concerne les conditions d'utilisation du nouvel aliment «huile extraite de *Schizochytrium* sp. à teneur élevée en DHA et EPA»: Journal Officiel de l'Union Européenne, consulté le 16 septembre 2022.

European Commission (2023a) Commission Implementing Regulation (EU) 2023/1581 amending Implementing Regulation (EU) 2017/2470 as regards the conditions of use of the novel food astaxanthin-rich oleoresin from *Haematococcus pluvialis* algae: Journal Officiel de l'Union Européenne, consulté le 9 août 2023.

European Commission (2023b) COMMISSION REGULATION (EU) 2023/915 on maximum levels for certain contaminants in food and repealing Regulation (EC) No 1881/2006: Journal Officiel de l'Union Européenne, consulté le 25 juillet 2023.

European Commission (2024a) Règlement d'exécution (UE) 2024/2049 de la Commission du 30 juillet 2024 autorisant la mise sur le marché de l'huile extraite de *Schizochytrium limacinum* (TKD-1) en tant que nouvel aliment et modifiant le règlement d'exécution (UE) 2017/2470: Journal Officiel de l'Union Européenne, consulté le 6 janvier 2025.

European Commission (2024b) Règlement d'exécution (UE) 2024/2062 de la Commission du 30 juillet 2024 modifiant le règlement d'exécution (UE) 2017/2470 en ce qui concerne les spécifications relatives au nouvel aliment huile extraite de *Schizochytrium* sp. à teneur élevée en DHA et EPA: Journal Officiel de l'Union Européenne, consulté le 6 janvier 2025.

European Commission (2024c) Règlement d'exécution (UE) 2024/2101 de la Commission du 30 juillet 2024 autorisant la mise sur le marché de l'huile extraite de *Schizochytrium* sp. (CABIO-A-2) en tant que nouvel aliment et modifiant le règlement d'exécution (UE) 2017/2470: Journal Officiel de l'Union Européenne, consulté le 6 janvier 2025.

European Commission (2024d) COMMISSION IMPLEMENTING REGULATION (EU) 2024/1026 of 8 April 2024 amending Implementing Regulation (EU) 2017/2470 as regards the specifications of the novel food astaxanthin-rich oleoresin from *Haematococcus pluvialis* algae.



European Commission (2024e) Commission Implementing Regulation (EU) 2024/1046 of 9 April 2024 authorising the placing on the market of beta-glucan from *Euglena gracilis* microalgae as a novel food and amending Implementing Regulation (EU) 2017/2470.

European Commission (2025a) Novel Food Catalogue. En ligne : <https://ec.europa.eu/food/feed-portal/screen/novel-food-catalogue/search>, consulté le 11 décembre 2025.

European Commission (2025b) Règlement d'exécution (UE) 2025/1515 de la Commission du 28 juillet 2025 autorisant la mise sur le marché de l'huile extraite de *Schizochytrium limacinum* (ATCC-20889) en tant que nouvel aliment et modifiant le règlement d'exécution (UE) 2017/2470: Journal Officiel de l'Union Européenne, consulté le 16 septembre 2025.

European Commission (2025c) Règlement d'exécution (UE) 2025/1549 de la Commission du 30 juillet 2025 rectifiant les règlements d'exécution (UE) 2023/2210 et (UE) 2022/1365 en ce qui concerne les conditions d'utilisation des nouveaux aliments 3-fucosyllactose produit au moyen d'une souche dérivée d'*Escherichia coli* K-12 DH1 et huile extraite de *Schizochytrium* sp. à teneur élevée en DHA et EPA: Journal Officiel de l'Union Européenne, consulté le 16 septembre 2025.

European Commission (2025d) Règlement d'exécution (UE) 2025/688 de la Commission du 9 avril 2025 modifiant le règlement d'exécution (UE) 2017/2470 en ce qui concerne les conditions d'utilisation du nouvel aliment huile extraite de *Schizochytrium* sp. (FCC-3204): Journal Officiel de l'Union Européenne, consulté le 16 avril 2025.

Food Safety Authority of Ireland (2019) Consultation request for determination of Novel Food status for *Chlamydomonas reinhardtii* dried biomass powder. Article 4 of Regulation (EU) 2015/2283. En ligne : https://food.ec.europa.eu/document/download/15c0361e-155c-476a-abec-752cde821f10_en?filename=novel-food_consult-status_chlamydomonas-reinhardtii_fsai.pdf, consulté le 9 décembre 2019.

FSAI (2025) Consultation request for the determination of Novel Food status for Silicon-enriched *Spirulina* (*Arthrospira platensis*), consulté le 29 juillet 2025.

Huve Nutra (2024) DHA-rich oil from *Schizochytrium limacinum* A2. En ligne : https://food.ec.europa.eu/document/download/5330915a-ace7-4ad5-9edf-22b0515122aa_en?filename=novel-food_sum_ongoing-app_2024-21690.pdf, consulté le 16 octobre 2025.

JORF (05/2006) Arrêté du 9 mai 2006 relatif aux nutriments pouvant être employés dans la fabrication des compléments alimentaires: Journal Officiel de la République Française, consulté le 14 août 2019.

JORF (06/2014) Arrêté du 24 juin 2014 établissant la liste des plantes, autres que les champignons, autorisées dans les compléments alimentaires et les conditions de leur emploi: Journal Officiel de la République Française, consulté le 24 mai 2016.

Mara Renewables Inc (2016) Application for approval of a novel food - DHA-rich algal oil from *Schizochytrium* sp. T18. En ligne : https://webarchive.nationalarchives.gov.uk/ukgwa/20200406012845mp_/https://acnfp.food.gov.uk/sites/default/files/dha.oil_.spt18.pdf, consulté le 7 février 2023.



Turck, Dominique; Bohn, Torsten; Cámara, Montaña; Castenmiller, Jacqueline; Henauw, Stefaan de; Jos, Ángeles et al. (2025) Safety of algal meal from *Haematococcus pluvialis* containing astaxanthin as a novel food pursuant to Regulation (EU) 2015/2283. In : EFSA Journal, vol. 23, n° 12, e9736. DOI: 10.2903/j.efsa.2025.9736.

UK Food Standards Agency - Advisory Committee on Novel Foods and Processes (ACNFP) (2004) REQUEST FOR AN ARTICLE 5 OPINION ON THE SUBSTANTIAL EQUIVALENCE OF ASTAXANTHIN-RICH CAROTENOID OLEORESIN EXTRACTED FROM *Haematococcus pluvialis*. En

ligne : https://acnfp.food.gov.uk/sites/default/files/mnt/drupal_data/sources/files/multimedia/pdfs/astaxanthinfinal.PDF, consulté le 19 mars 2020.

UK Food Standards Agency - Advisory Committee on Novel Foods and Processes (ACNFP) (2011) OPINION ON AN APPLICATION UNDER THE NOVEL FOOD REGULATION FOR A DHA AND EPA RICH OIL FROM THE MICROALGAE *SCHIZOCHYTRIUM*. En

ligne : https://webarchive.nationalarchives.gov.uk/ukgwa/20200406021220mp_/https://acnfp.food.gov.uk/sites/default/files/mnt/drupal_data/sources/files/multimedia/pdfs/inopdharmartek.pdf.

UK Food Standards Agency - Advisory Committee on Novel Foods and Processes (ACNFP) (2017) OPINION ON AN APPLICATION UNDER THE NOVEL FOODS REGULATION FOR DHA RICH ALGAL OIL FROM *SCHIZOCHYTRIUM* SPECIES T18. En

ligne : https://webarchive.nationalarchives.gov.uk/ukgwa/20200406004929mp_/https://acnfp.food.gov.uk/sites/default/files/dhamara_1_0.pdf.