

Commission Implementing Regulation (EU) 2020/1822 of 2 December 2020  
authorising the placing on the market of chromium-containing yeast (*Yarrowia  
lipolytica*) biomass as a novel food under Regulation (EU) 2015/2283 of  
the European Parliament and of the Council and amending Commission  
Implementing Regulation (EU) 2017/2470 (Text with EEA relevance)

COMMISSION IMPLEMENTING REGULATION (EU) 2020/1822

of 2 December 2020

authorising the placing on the market of chromium-containing yeast  
(*Yarrowia lipolytica*) biomass as a novel food under Regulation  
(EU) 2015/2283 of the European Parliament and of the Council and  
amending Commission Implementing Regulation (EU) 2017/2470

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) 2015/2283 of the European Parliament and of the Council of  
25 November 2015 on novel foods, amending Regulation (EU) No 1169/2011 of the European  
Parliament and of the Council and repealing Regulation (EC) No 258/97 of the European  
Parliament and of the Council and Commission Regulation (EC) No 1852/2001<sup>(1)</sup>, and in  
particular Article 12 thereof,

Whereas:

- (1) Regulation (EU) 2015/2283 provides that only novel foods authorised and included in  
the Union list may be placed on the market within the Union.
- (2) Pursuant to Article 8 of Regulation (EU) 2015/2283, Commission Implementing  
Regulation (EU) 2017/2470<sup>(2)</sup> establishing a Union list of authorised novel foods was  
adopted.
- (3) Commission Implementing Regulation (EU) 2019/760<sup>(3)</sup> authorised, in accordance with  
Regulation (EU) 2015/2283, the placing on the market of *Yarrowia lipolytica* yeast  
biomass as a novel food to be used in food supplements as defined in Directive 2002/46/  
EC of the European Parliament and of the Council<sup>(4)</sup>, excluding food supplements for  
infants and young children.
- (4) On 22 August 2018, the company Skotan S.A. ('the applicant') introduced an  
application to the Commission in accordance with Article 10(1) of Regulation (EU)  
2015/2283 to place chromium-enriched biomass of the yeast *Yarrowia lipolytica* on  
the Union market as a novel food. The applicant requested for chromium-enriched  
biomass of the yeast *Yarrowia lipolytica* to be used as a novel food in food supplements,  
excluding food supplements for infants and young children. The maximum use levels  
proposed by the applicant are 2 g per day for children from 3 to 9 years of age, and 4  
g per day for adolescents and adults.

---

*Status: Point in time view as at 02/12/2020.*

*Changes to legislation: There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) 2020/1822. (See end of Document for details)*

---

- (5) In accordance with Article 10(3) of Regulation (EU) 2015/2283, the Commission consulted the European Food Safety Authority ('Authority') on 18 February 2019, asking it to provide a scientific opinion by carrying out an assessment for chromium-containing yeast (*Yarrowia lipolytica*) biomass as a novel food.
- (6) On 23 January 2020, the Authority adopted its scientific opinion 'Safety of chromium-enriched biomass of *Yarrowia lipolytica* as a novel food pursuant to Regulation (EU) 2015/2283'<sup>(5)</sup>. That opinion is in line with the requirements of Article 11 of Regulation (EU) 2015/2283.
- (7) In its opinion, the Authority concluded that chromium-containing yeast (*Yarrowia lipolytica*) biomass is safe under the proposed uses and use levels, when used in food supplements intended for the general population above 3 years of age.
- (8) The opinion of the Authority gives sufficient grounds to establish that chromium-containing yeast (*Yarrowia lipolytica*) biomass under the proposed conditions of use complies with Article 12(1) of Regulation (EU) 2015/2283.
- (9) Regulation (EU) 2017/2470 should be therefore amended accordingly.
- (10) The measures provided for in this Regulation are in accordance with the opinion of the Standing Committee on Plants, Animals, Food and Feed,

HAS ADOPTED THIS REGULATION:

*Article 1*

1 Chromium-containing yeast (*Yarrowia lipolytica*) biomass as specified in the Annex to this Regulation shall be included in the Union list of authorised novel foods established in Implementing Regulation (EU) 2017/2470.

2 The entry in the Union list referred to in paragraph 1 shall include the conditions of use and labelling requirements laid down in the Annex.

*Article 2*

The Annex to Implementing Regulation (EU) 2017/2470 is amended in accordance with the Annex to this Regulation.

*Article 3*

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 2 December 2020.

*For the Commission*

*The President*

Ursula VON DER LEYEN

---

**Status:** Point in time view as at 02/12/2020.

**Changes to legislation:** There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) 2020/1822. (See end of Document for details)

---

*Status: Point in time view as at 02/12/2020.**Changes to legislation: There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) 2020/1822. (See end of Document for details)*

## ANNEX

The Annex to Implementing Regulation (EU) 2017/2470 is amended as follows:

(1) in Table 1 (Authorised novel foods), the following entry is inserted:

Authorised novel food	Conditions under which the novel food may be used		Additional specific labelling requirements	Other requirements
‘Chromium-containing yeast ( <i>Yarrowia lipolytica</i> ) biomass	<i>Specified food category</i>	<i>Maximum levels</i>	The designation of the novel food on the labelling of the foodstuffs containing it shall be “chromium-containing yeast ( <i>Yarrowia lipolytica</i> ) biomass” The labelling of food supplements containing chromium-containing yeast ( <i>Yarrowia lipolytica</i> ) biomass shall bear a statement that the food supplements should not be consumed by infants and young children (children under 3 years of age)/ children from 3 to 9 years of age <sup>a</sup> .	
	Food supplements as defined in Directive 2002/46/EC, excluding food supplements for infants and young children	2 g/day for children from 3 to 9 years of age, resulting in 46 µg of chromium per day 4 g/day for children from 10 years of age, adolescents and adults, resulting in 92 µg of chromium per day		
<sup>a</sup> Depending on the age group the food supplement is intended for.’				

(2) in Table 2 (Specifications), the following entry is inserted:

**Status:** Point in time view as at 02/12/2020.

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2020/1822. (See end of Document for details)

Authorised Novel Food	Specification
<p><b>‘Chromium-containing yeast (<i>Yarrowia lipolytica</i>) biomass</b></p>	<p><b>Description/Definition:</b>  The novel food is the dried and heat-killed chromium-containing biomass of the yeast <i>Yarrowia lipolytica</i>.  The novel food is produced by fermentation in the presence of chromium chloride followed by a number of purification steps and a heat-killing step of the yeast to ensure the absence of viable <i>Yarrowia lipolytica</i> cells in the novel food.</p> <p><b>Characteristics/Composition:</b>  Total chromium: 18–23 µg/g  Chromium (VI): &lt; 10 µg/kg (i.e. limit of detection)  Protein: 40–50 g/100 g  Dietary fibre: 24–32 g/100 g  Sugars: &lt; 2 g/100 g  Fat: 6–12 g/100 g  Total ash: ≤ 15 %  Water: ≤ 5 %  Dry matter: ≥ 95 %</p> <p><b>Heavy metals:</b>  Lead: ≤ 3,0 mg/kg  Cadmium: ≤ 1,0 mg/kg  Mercury: ≤ 0,1 mg/kg</p> <p><b>Microbiological criteria:</b>  Total aerobic microbial count: ≤ 5 × 10<sup>3</sup> CFU/g  Total yeast and mould count: ≤ 10<sup>2</sup> CFU/g  Viable <i>Yarrowia lipolytica</i> cells<sup>a</sup>: &lt; 10 CFU/g (i.e. limit of detection)  Coliforms: ≤ 10 CFU/g  <i>Salmonella</i> spp.: Absence in 25 g  CFU: colony forming units</p>

**a** Applicable at all stages after the heat-treatment step to guarantee the absence of viable *Yarrowia lipolytica* cells and to be first tested immediately after the heat-treatment step. Measures have to be in place to prevent cross-contamination with viable *Yarrowia lipolytica* cells during packaging and/or storage of the novel food.’

---

**Status:** Point in time view as at 02/12/2020.

**Changes to legislation:** There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) 2020/1822. (See end of Document for details)

---

- (1) [OJ L 327, 11.12.2015, p. 1.](#)
- (2) Commission Implementing Regulation (EU) 2017/2470 of 20 December 2017 establishing the Union list of novel foods in accordance with Regulation (EU) 2015/2283 of the European Parliament and of the Council on novel foods ([OJ L 351, 30.12.2017, p. 72](#)).
- (3) Commission Implementing Regulation (EU) 2019/760 of 13 May 2019 authorising the placing on the market of *Yarrowia lipolytica* yeast biomass as a novel food under Regulation (EU) 2015/2283 of the European Parliament and of the Council and amending Commission Implementing Regulation (EU) 2017/2470 ([OJ L 125, 14.5.2019, p. 13](#)).
- (4) Directive 2002/46/EC of the European Parliament and of the Council of 10 June 2002 on the approximation of the laws of the Member States relating to food supplements ([OJ L 183, 12.7.2002, p. 51](#)).
- (5) *EFSA Journal* 2020;18(3):6005.

**Status:**

Point in time view as at 02/12/2020.

**Changes to legislation:**

There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2020/1822.