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COMMISSION IMPLEMENTING REGULATION (EU) 2024/2694

of 17 October 2024

authorising the placing on the market of magnesium L-threonate as a novel food and amending 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 ([1]), and in particular Article 12(1) thereof,

Whereas:

(1) Regulation (EU) 2015/2283 provides that only novel foods authorised and included in the Union list of novel foods 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 ([2]) has established a Union list of novel foods.

(3) On 24 March 2021, the company AIDP Inc. ('the applicant') submitted an application for an authorisation to the Commission in accordance with Article 10(1) of Regulation (EU) 2015/2283 to place magnesium L-threonate on the Union market as a novel food. The applicant requested for the novel food to be used in food supplements as defined in Directive 2002/46/EC of the European Parliament and of the Council ([3]) intended for adults, excluding pregnant and lactating women.

(4) On 24 March 2021, the applicant also made a request to the Commission for the protection of the following proprietary data: bioavailability study in rats ([4]), toxicological studies (*in vitro* bacterial reverse mutation assay ([5]), *in vivo* micronucleus test ([6]) and toxicity studies ([7])) and a randomised, placebo-controlled human study ([8]).

(5) On 28 June 2021, the Commission requested the European Food Safety Authority ('the Authority') to carry out an assessment of magnesium L-threonate as a novel food. Furthermore, the Commission considered that magnesium L-threonate was to be considered as a source of magnesium in the context of Directive 2002/46/EC. Therefore, the Commission requested the Authority to evaluate, following the outcome of the novel food assessment, the safety and bioavailability of the novel food when added for nutritional purposes as a source of magnesium to food supplements.

(6) On 30 January 2024, the Authority adopted its scientific opinion on the 'Safety of magnesium L-threonate as a novel food pursuant to Regulation (EU) 2015/2283 and bioavailability of magnesium from this source in the context of Directive 2002/46/EC' ([9]) in accordance with Article 11 of Regulation (EU) 2015/2283.

([1]) OJ L 327, 11.12.2015, p. 1, ELI: http://data.europa.eu/eli/reg/2015/2283/oj.
([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, ELI: http://data.europa.eu/eli/reg_impl/2017/2470/oj).
([3]) 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, ELI: http://data.europa.eu/eli/dir/2002/46/oj).
([4]) Annex 37 – Bioavailability study.
([5]) Annex 38 – OECD 471 study.
([6]) Annex 39 – OECD 474 study.
([7]) Annexes 41 and 42 – OECD 408 study.
([8]) Annexes 43 and 44 – clinical trial study.
([9]) *EFSA Journal* 2024;22:e8656.

(7) In its scientific opinion, the Authority concluded that the novel food, magnesium L-threonate, is safe under the proposed conditions of use. The Authority also considered that the novel food is a source from which magnesium is bioavailable.

(8) Therefore, that scientific opinion gives sufficient grounds to establish that magnesium L-threonate, when used under the proposed conditions of use fulfils the conditions for its placing on the market in accordance with Article 12(1) of Regulation (EU) 2015/2283.

(9) In its scientific opinion, the Authority also noted that its conclusion on the safety of the novel food was based on the bioavailability study in rats, the *in vitro* bacterial reverse mutation assay, the *in vivo* micronucleus test, and the randomised, placebo-controlled human study, without which it could not have assessed the novel food and reached its conclusion.

(10) The Commission requested the applicant to further clarify the justification provided with regard to its proprietary claim over those data and studies and to clarify their claim to an exclusive right of reference to them in accordance with Article 26(2)(b) of Regulation (EU) 2015/2283.

(11) The applicant declared that it held proprietary and exclusive rights of reference to the bioavailability study in rats, the *in vitro* bacterial reverse mutation assay, the *in vivo* micronucleus test, and the randomised, placebo-controlled human study, at the time it submitted the application, and that third parties cannot lawfully access, use or refer to those data.

(12) The Commission assessed all the information provided by the applicant and considered that it has sufficiently substantiated the fulfilment of the requirements laid down in Article 26(2) of Regulation (EU) 2015/2283. Therefore, the bioavailability study in rats, the *in vitro* bacterial reverse mutation assay, the *in vivo* micronucleus test, and the randomised, placebo-controlled human study should be protected in accordance with Article 27(1) of Regulation (EU) 2015/2283. Accordingly, only the applicant should be authorised to place magnesium L-threonate on the market within the Union during a period of five years from the entry into force of this Regulation.

(13) However, restricting the authorisation of magnesium L-threonate and the reference to the data contained in the applicant's file for their sole use does not prevent subsequent applicants from applying for an authorisation to place on the market the same novel food provided that their application is based on legally obtained information supporting such an authorisation.

(14) It is appropriate that the inclusion of magnesium L-threonate as a novel food in the Union list of novel foods contains the information referred to in Article 9(3) of Regulation (EU) 2015/2283. In line with the conditions of use of food supplements containing magnesium L-threonate as proposed by the applicant and assessed by the Authority, it is necessary to inform the consumers in that regard by appropriate labelling about the uses of food supplements containing magnesium L-threonate.

(15) Magnesium L-threonate should be included in the Union list of novel foods set out in Implementing Regulation (EU) 2017/2470. The Annex to Implementing Regulation (EU) 2017/2470 should therefore be amended accordingly.

(16) 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. Magnesium L-threonate is authorised to be placed on the market within the Union.

Magnesium L-threonate shall be included in the Union list of novel foods set out in Implementing Regulation (EU) 2017/2470.

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

Article 2

Only the company AIDP Inc. ([10]) is authorised to place on the market within the Union the novel food referred to in Article 1, for a period of 5 years from 7 November 2024, unless a subsequent applicant obtains an authorisation for that novel food without reference to the scientific data protected pursuant to Article 3 or with the agreement of AIDP Inc.

Article 3

The scientific data contained in the application file and fulfilling the conditions laid down in Article 26(2) of Regulation (EU) 2015/2283 shall not be used for the benefit of a subsequent applicant for a period of 5 years from the date of entry into force of this Regulation without the agreement of AIDP Inc.

Article 4

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, 17 October 2024.

For the Commission
The President
Ursula VON DER LEYEN

([10]) 19535 East Walnut Drive South City of Industry, CA 91748, the United States.

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	Data protection
'**Magnesium L-threonate**	*Specified food category*	*Maximum levels*	1. The designation of the novel food on the labelling of the foodstuffs containing it shall be "Magnesium L-threonate". 2. The labelling of food supplements containing magnesium L-threonate shall bear a statement that the food supplements should be consumed by adults only, excluding pregnant and lactating women.		Authorised on 7 November 2024. This inclusion is based on proprietary scientific evidence and scientific data protected in accordance with Article 26 of Regulation (EU) 2015/2283. Applicant: AIDP Inc., 19535 East Walnut Drive South City of Industry, CA 91748, the United States. During the period of data protection, the novel food magnesium L-threonate is authorised for placing on the market within the Union only by AIDP Inc., unless a subsequent applicant obtains authorisation for the novel food without reference to the proprietary scientific evidence or scientific data protected in accordance with Article 26 of Regulation (EU) 2015/2283 or with the agreement of AIDP Inc. End date of the date protection: 7 November 2029'
	Food supplements as defined in Directive 2002/46/EC for adults, excluding pregnant and lactating women	250 mg/day			

ELI: http://data.europa.eu/eli/reg_impl/2024/2694/oj

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

Authorised Novel Food	Specification
'**Magnesium L-threonate**	**Description/Definition:** The novel food is produced by chemical synthesis and consists of magnesium L-threonate. **Chemical identity:** Chemical (IUPAC) name: Magnesium (2R,3S)-2,3,4-trihydroxybutanoate monohydrate Common name: magnesium L-threonate Molecular formula: $C_8H_{16}MgO_{11}$ CAS number: 500304-76-7 Molecular weight: 312,5 Da **Characteristics/composition:** Appearance: White powder Mg L-threonate monohydrate: 98 %–102 % Magnesium: 7,2 %– 8,3 % L-Threonate: 82 %-91 % Oxalic acid: ≤ 1 % Ethanol: ≤ 5 000 ppm Loss on drying: ≤ 5,0 % **Microbiological criteria:** Total aerobic microbial count: ≤ 100 CFU/g Total yeast and moulds count: ≤ 10 CFU/g *E. coli:* Not detected in 10 g *Salmonella:* Not detected in 25 g Abbreviations: CAS: chemical abstracts service, IUPAC: International Union of Pure and Applied Chemistry, CFU: colony forming unit'