**This text is meant purely as a documentation tool and has no legal effect. The Union's institutions do not assume any liability for its contents. The authentic versions of the relevant acts, including their preambles, are those published in the Official Journal of the European Union and available in EUR-Lex. Those official texts are directly accessible through the links embedded in this document**

►**B**

# COMMISSION IMPLEMENTING REGULATION (EU) 2018/1565

**of 17 October 2018**

**concerning the authorisation of a preparation of endo-1,4-beta-mannanase produced by *Paenibacillus lentus* (DSM 28088) as a feed additive for chickens for fattening, chickens reared for laying and minor poultry species other than laying birds, turkeys for fattening, turkeys reared for breeding, weaned piglets, pigs for fattening and minor porcine species (holder of authorisation Elanco GmbH)**

**(Text with EEA relevance)**

(OJ L 262, 19.10.2018, p. 24)

Corrected by:

►**C1** Corrigendum, OJ L 71, 13.3.2019, p. 30 (2018/1565)

▼B

# COMMISSION IMPLEMENTING REGULATION (EU) 2018/1565

## of 17 October 2018

## concerning the authorisation of a preparation of endo-1,4-beta-mannanase produced by *Paenibacillus lentus* (DSM 28088) as a feed additive for chickens for fattening, chickens reared for laying and minor poultry species other than laying birds, turkeys for fattening, turkeys reared for breeding, weaned piglets, pigs for fattening and minor porcine species (holder of authorisation Elanco GmbH)

**(Text with EEA relevance)**

*Article 1*

The preparation specified in the Annex, belonging to the additive category ‘zootechnical additives’ and to the functional group ‘digestibility enhancers’, is authorised as an additive in animal nutrition, subject to the conditions laid down in the Annex.

*Article 2*

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.

*ANNEX*

| Identification number of the additive | Name of the holder of authorisation | Additive | Composition, chemical formula, description, analytical method | Species or category of animal | Maximum age | Minimum content | Maximum content | Other provisions | End of period of authorisation |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Units of activity/kg of complete feedingstuff with a moisture content of 12 % | | | |
| **Category of zootechnical additives. Functional group: digestibility enhancers** | | | | | | | | | |
| 4a29 | Elanco GmbH | Endo-1,4-beta-mannanase<br>EC 3.2.1.78 | *Additive composition*<br>Preparation of endo-1,4-beta-mannanase produced by *Paenibacillus lentus* (DSM 28088) having a minimum activity of:<br>►**C1** — $1,6 \times 10^8$ U (1)/kg solid form;<br>— $5,9 \times 10^8$ U/L liquid form. ◄<br>*Characterisation of the active substance*<br>endo-1,4-beta-mannanase produced by *Paenibacillus lentus* (DSM 28088)<br>*Analytical methods* (2)<br>For the quantification of endo-1,4-beta-mannanase in the feed additive, premixtures and feedingstuffs:<br>colorimetric methods based on enzymatic hydrolysis and the reaction of reducing sugars (mannose equivalent) with 3,5-dinitrosalicylic acid (DNS) | Chickens for fattening<br>Chickens reared for laying<br>Minor poultry species other than laying birds | — | 32 000 U | — | 1. In the directions for use of the additive and premixtures, the storage conditions and stability heat treatment shall be indicated.<br>2. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks to their use. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment including skin and breathing protections.<br>3. For use in weaned piglets until approximately 35 kg. | 8 November 2028 |
| | | | | Turkeys for fattening<br>Turkeys reared for breeding | | 48 000 U | | | |
| | | | | Weaned piglets | | 48 000 U | | | |
| | | | | Pigs for fattening<br>Minor porcine species for fattening | | 32 000 U | | | |

(1) 1 U is the amount of enzyme which liberates 0,72 micrograms of reducing sugars (mannose equivalents) from a mannan-containing substrate (locust bean gum) per minute at pH 7,0 and 40 °C.
(2) Details of the analytical methods are available at the following address of the Reference Laboratory for Feed Additives: https://ec.europa.eu/jrc/en/eurl/feed-additives/evaluation-reports