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## ANNEX I

### ADDITIVE GROUPS

1. In the category ‘technological additives’, the following functional groups are included:
  - (a) preservatives: substances or, when applicable, micro-organisms which protect feed against deterioration caused by micro-organisms or their metabolites;
  - (b) antioxidants: substances prolonging the storage life of feedingstuffs and feed materials by protecting them against deterioration caused by oxidation;
  - (c) emulsifiers: substances that make it possible to form or maintain a homogeneous mixture of two or more immiscible phases in feedingstuffs;
  - (d) stabilisers: substances which make it possible to maintain the physico-chemical state of feedingstuffs;
  - (e) thickeners: substances which increase the viscosity of feedingstuffs;
  - (f) gelling agents: substances which give a feedingstuff texture through the formation of a gel;
  - (g) binders: substances which increase the tendency of particles of feedingstuffs to adhere;
  - (h) substances for control of radionucleide contamination: substances that suppress absorption of radionucleides or promote their excretion;
  - (i) anticaking agents: substances that reduce the tendency of individual particles of a feedingstuff to adhere;
  - (j) acidity regulators: substances which adjust the pH of feedingstuffs;
  - (k) silage additives: substances, including enzymes or micro-organisms, intended to be incorporated into feed to improve the production of silage;
  - (l) denaturants: substances which, when used for the manufacture of processed feedingstuffs, allow the identification of the origin of specific food or feed materials;
  - (m) [<sup>F1</sup>substances for reduction of the contamination of feed by mycotoxins: substances that can suppress or reduce the absorption, promote the excretion of mycotoxins or modify their mode of action<sup>[F2;]</sup>]
  - (n) [<sup>F3</sup>hygiene condition enhancers: substances or, when applicable, microorganisms which favourably affect the hygienic characteristics of feed by reducing a specific microbiological contamination<sup>[F4;]</sup>]
  - (o) [<sup>F5</sup>other technological additives: substances or, when applicable, microorganisms added to feed for a technological purpose and which favourably affect the characteristics of the feed.]

#### Textual Amendments

- F1** Inserted by [Commission Regulation \(EC\) No 386/2009 of 12 May 2009 amending Regulation \(EC\) No 1831/2003 of the European Parliament and of the Council as regards the establishment of a new functional group of feed additives \(Text with EEA relevance\).](#)

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- F2** Substituted by Commission Regulation (EU) 2015/2294 of 9 December 2015 amending Regulation (EC) No 1831/2003 of the European Parliament and of the Council as regards the establishment of a new functional group of feed additives (Text with EEA relevance).
- F3** Inserted by Commission Regulation (EU) 2015/2294 of 9 December 2015 amending Regulation (EC) No 1831/2003 of the European Parliament and of the Council as regards the establishment of a new functional group of feed additives (Text with EEA relevance).
- F4** Substituted by Commission Regulation (EU) 2019/962 of 12 June 2019 amending Annex I to Regulation (EC) No 1831/2003 of the European Parliament and of the Council as regards the establishment of two new functional groups of feed additives (Text with EEA relevance).
- F5** Inserted by Commission Regulation (EU) 2019/962 of 12 June 2019 amending Annex I to Regulation (EC) No 1831/2003 of the European Parliament and of the Council as regards the establishment of two new functional groups of feed additives (Text with EEA relevance).

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